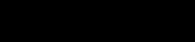

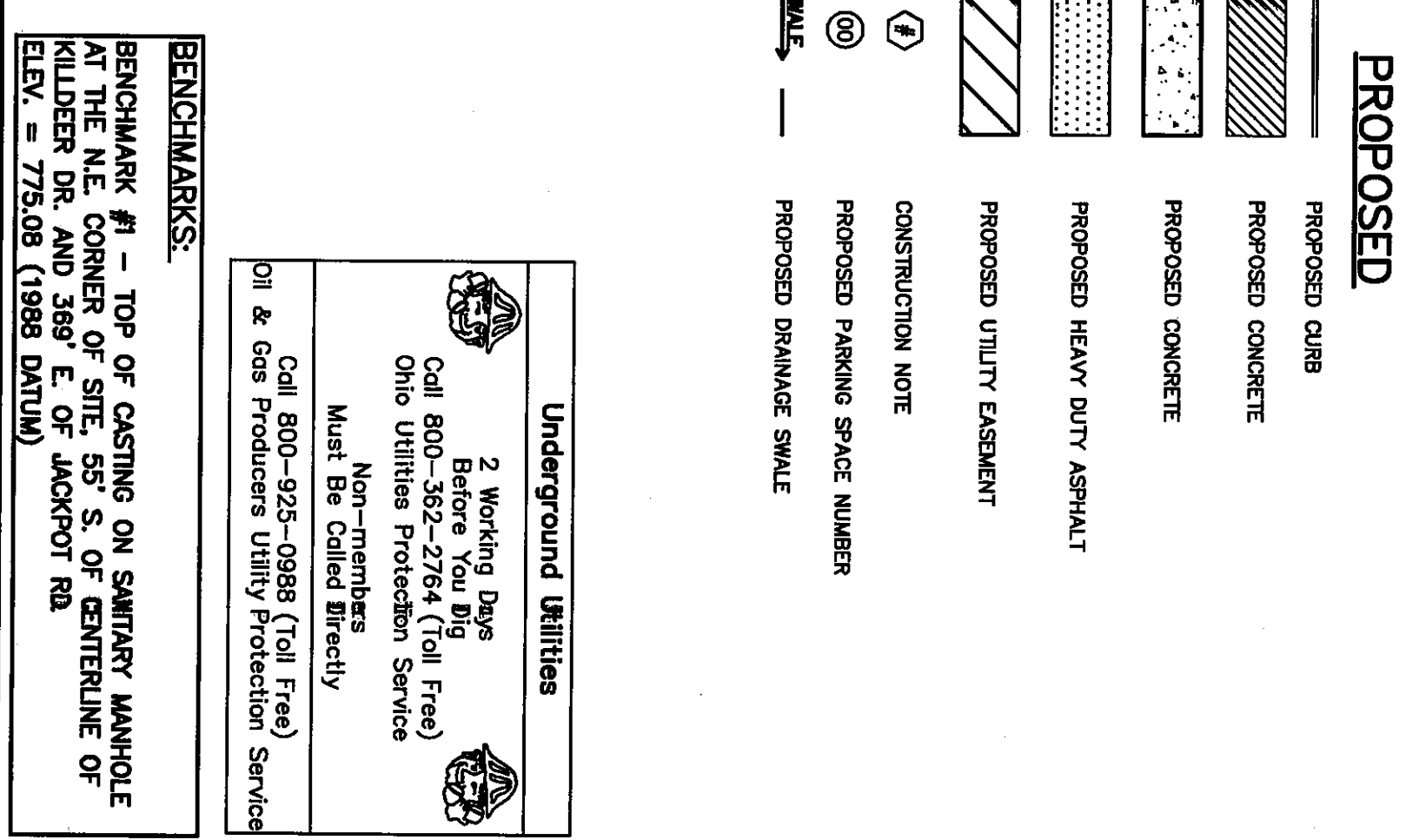
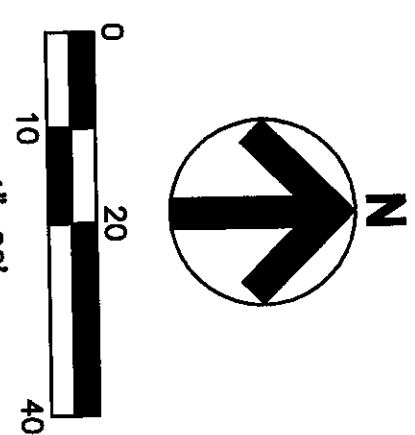
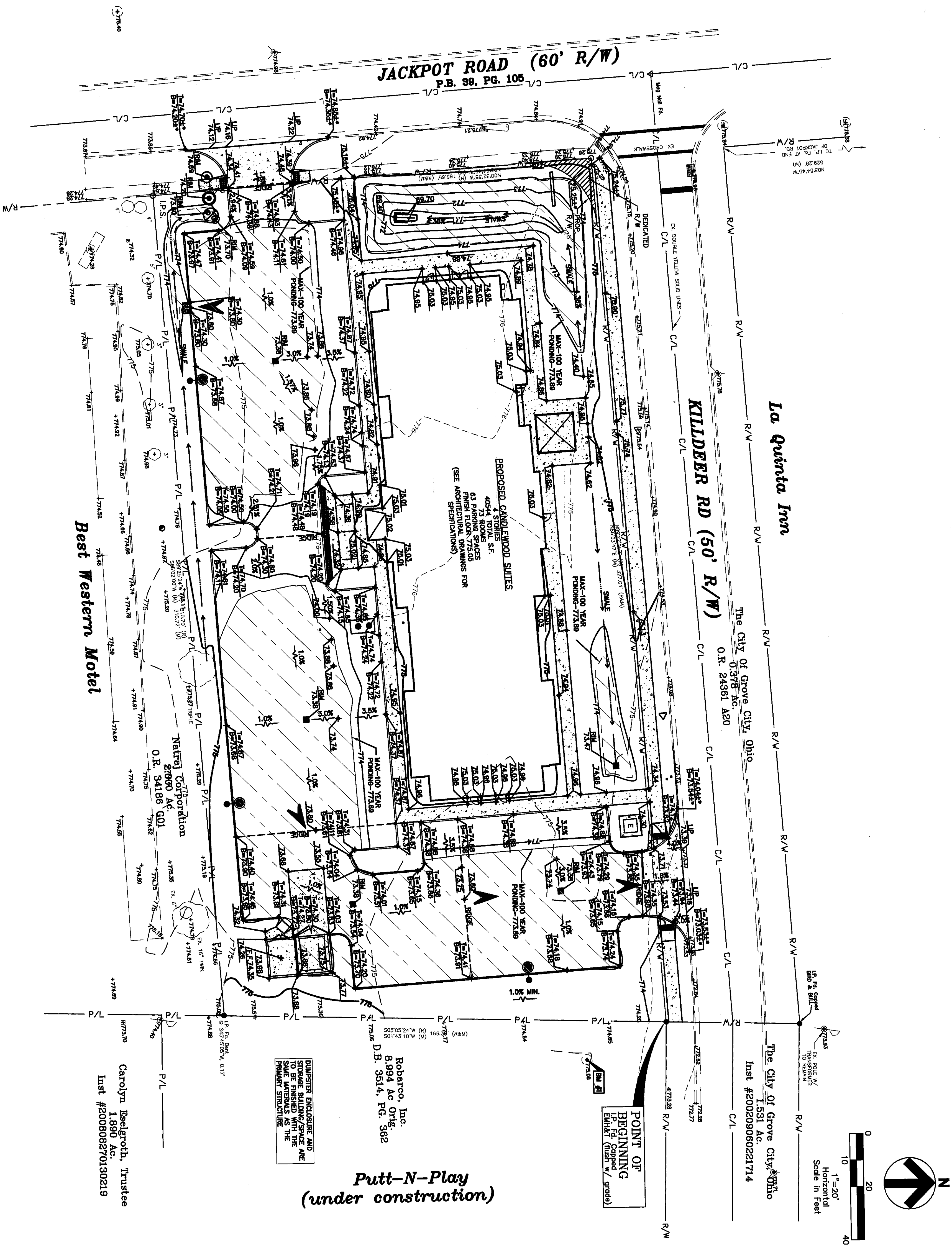


C-001	JOB NO. 2009002.01	DESIGNED	DATE	CANDLEWOOD SUITES 3962 JACKPOT ROAD GROVE CITY, OH 43123 GENERAL NOTES	REV.	DATE	DESCRIPTION	 CANDLEWOOD SUITES	 GPD ASSOCIATES <small>CLARK PATE SCHWAB BLUM & DEBARIUS, INC. 1600 N. High Street, Suite 150 Columbus, Ohio 43213-1500 614-228-0771, Fax 614-210-0732</small>
		K.B.	3/27/09		1	3/27/09	1ST DEVELOPMENT PLAN SUBMITTAL		
		BROWN							
		A.S.	3/27/09						
		CHECKED							





DETENTION STORAGE SUMMARY			
YEAR STORM	REQUIRED	PROVIDED	ACTUAL (DESIGN)
100	6.447 CIFT	6.447 CIFT	773.89

LEGEND

- (SEE SHEET C-001 FOR GENERAL LEGEND)
- PROPOSED CONTOUR
 - EXISTING SPOT ELEVATION (ADD 700)
 - PROPOSED ELEVATION • BOTTOM OF FRONT FACE AND/OR FINISHED PAVEMENT ELEVATION (ADD 700)
 - TYPE OF CURB ELEVATION
 - BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION (ADD 700)
 - MATCH EXISTING ELEVATION (ADD 700)
 - PROPOSED DRAINAGE SLOPE & DIRECTION
 - PROPOSED DRAINAGE SWALE
 - PROPOSED GRADE RIDGE
 - EMERGENCY OVERFLOW ROUTING
 - PROPOSED MANHOLE ALLOWED FLOODING ELEVATION = 773.89

Underground Utilities	
2 Working Days Before You Dig	
Call 800-362-2764 (Toll Free)	
Ohio Utilities Protection Service	
Not members	
Must Be Called Directly	
Call 800-925-0988 (Toll Free)	
Oil & Gas Producers Utility Protection Service	

REV.	DATE	DESCRIPTION
3/27/09	1	1ST DEVELOPMENT PLAN SUBMITTAL
4/16/09	1	REVISED PER CITY OF GROVE CITY

GPD ASSOCIATES

10000
Candlewood, Ohio 43123
614-230-0751, Fax 614-230-0752

CANDLEWOOD SUITES
3962 JACKPOT ROAD
GROVE CITY, OH 43123

GRADING PLAN

JOB NO.
2009002.01

DATE	DESIGNED	DRAWN	CHECKED
3/27/09	K.B.	A.S.	3/27/09

C-121

STORM WATER POLLUTION PREVENTION NOTES

1. ALL WORK SPECIFIED AS A/N/ TYPED ITEM SHALL BE COVERED BY THE CURRENT STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION HANDBOOK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH WITH APPLICABLE SECTIONS.
2. THIS CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNOBTAINABLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY INFORMATION FROM THE LOCAL HEALTH DEPARTMENT, COUNTY ENGINEER, OR SOIL CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
3. ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED ON THIS SHEET.
4. PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 21 DAYS OR MORE SHALL BE INSTALLED IMMEDIATELY AFTER THE COMPLETION OF THE CONSTRUCTION WORK. THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING TABLE AND AS SHOWN ON THE TABLE BELOW TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL, WHERE POSSIBLE. TEMPORARY SEEDING GROWN SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.

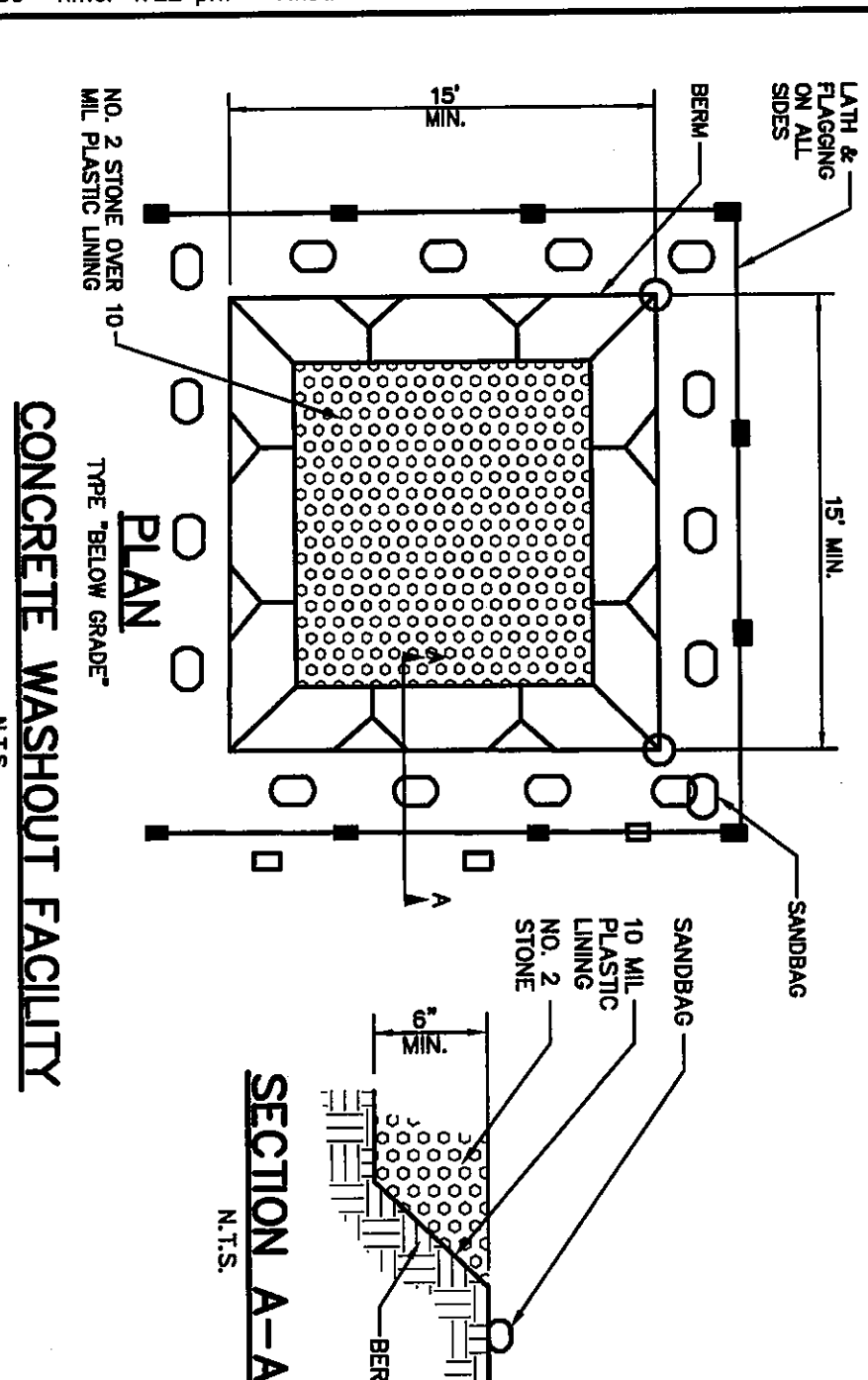
SEEDING DATES	SEED TYPE	APPLICATION RATE PER 1,000 S.F.
MARCH 1 - AUGUST 15	OATS PERENNIAL RYE GRASS OR TALL FESCUE	3#/
AUGUST 16 - NOVEMBER 1	PERENNIAL RYE GRASS TALL FESCUE OR GRASS	3#/
AFTER NOVEMBER 1	STRAW OR HAY MULCH	2-3 BALS
SEED BED PREPARATION	LIME FERTILIZER	100g 12-15g

5. PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 7 DAYS AT THE COMPLETION OF ANY GRADED AREAS.
6. AT SUCH TIME ROUGH GRADING OF THE SITE IS COMPLETE AND DRAINAGE DIVERSITY TO INLETS, INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL INLET STRUCTURES TO KEEP PIPING SYSTEMS FREE OF SEDIMENT.
7. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING OR NEW STORM INLETS, CATCH BASINS, YARD DRAINS, INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
8. STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS SHOWN ON THESE PLANS AND AS DIRECTED BY THE ENGINEER.
9. CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
10. SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT FENCES SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PLANT OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FENCES AND DRAINAGE SWALES MAINTAINED AND CLEANED AS NECESSARILY. SILT BARRIERS, SILT FENCES, AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
11. TEMPORARY SEDIMENTATION AND STORM WATER POLLUTION PREVENTION MEASURES MUST BE INSPECTED AND LABELED BY THE CONTRACTOR FOR INSPECTION. LOGGING SHALL BE WEEKLY AND AFTER RAIN STORMS.
12. UTILITY COMPANIES MUST COMPLY WITH ALL STORM WATER POLLUTION PREVENTION MEASURES AS DEFINED ON THE STORM WATER POLLUTION PREVENTION PLANS, DETAILS AND NOTES.
13. THE TOTAL AREA OF DISTURBANCE FOR THIS PROJECT IS 1.31 ACRES.
14. ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION AS SHOWN ON PLANS.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES.
16. ALL STORM WATER POLLUTION PREVENTION PRACTICES WILL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
17. THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE USED ON THIS SITE:

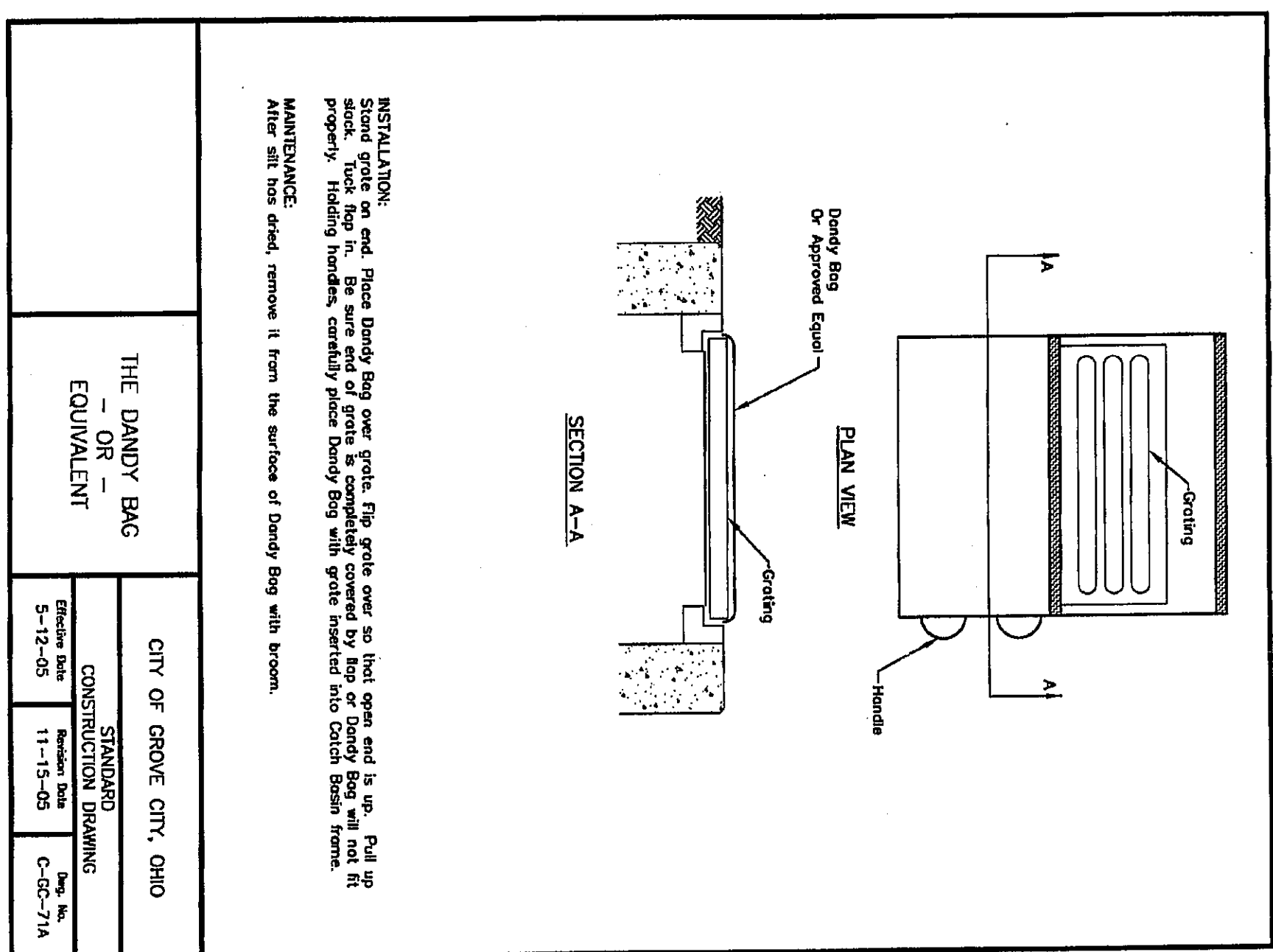
- 17.A. SILT FENCE
- 17.B. CONSTRUCTION ENTRANCE
- 17.C. CONSTRUCTION ENTRANCE
- 17.D. CONCRETE WASHOUT FACILITY

CONSTRUCTION SEQUENCE

1. STAKE AND/OR FLAG LIMITS OF CLEARING.
2. DURING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED.
3. CLEANING & GRUBBING, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS.
4. INSTALL SILT FENCE PERIMETER CONTROLS AS SHOWN ON PLANS.
5. INSTALL CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT FACILITY IF CONDITIONS ARE SUCH THAT MUD IS BEING TRACKED ONTO THE PUBLIC RIGHT-OF-WAY. IF PERMITS MUST BE OBTAINED BEFORE THE PUBLIC RIGHT-OF-WAY, THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OF FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
6. CLEANING & GRUBBING THE REMAINING SITE AS NECESSARY.
7. BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.
8. CONSTRUCT AND MAINTAIN TEMPORARY DRAINAGE SWALE DURING FILLING & GRADING ACTIVITIES.
9. CONSTRUCT SITE WORK INCLUDING STORM DRAINAGE FACILITIES.
10. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, INSTALL INLET PROTECTION.
11. MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED.
12. REMOVE SEDIMENT CONTROLS.

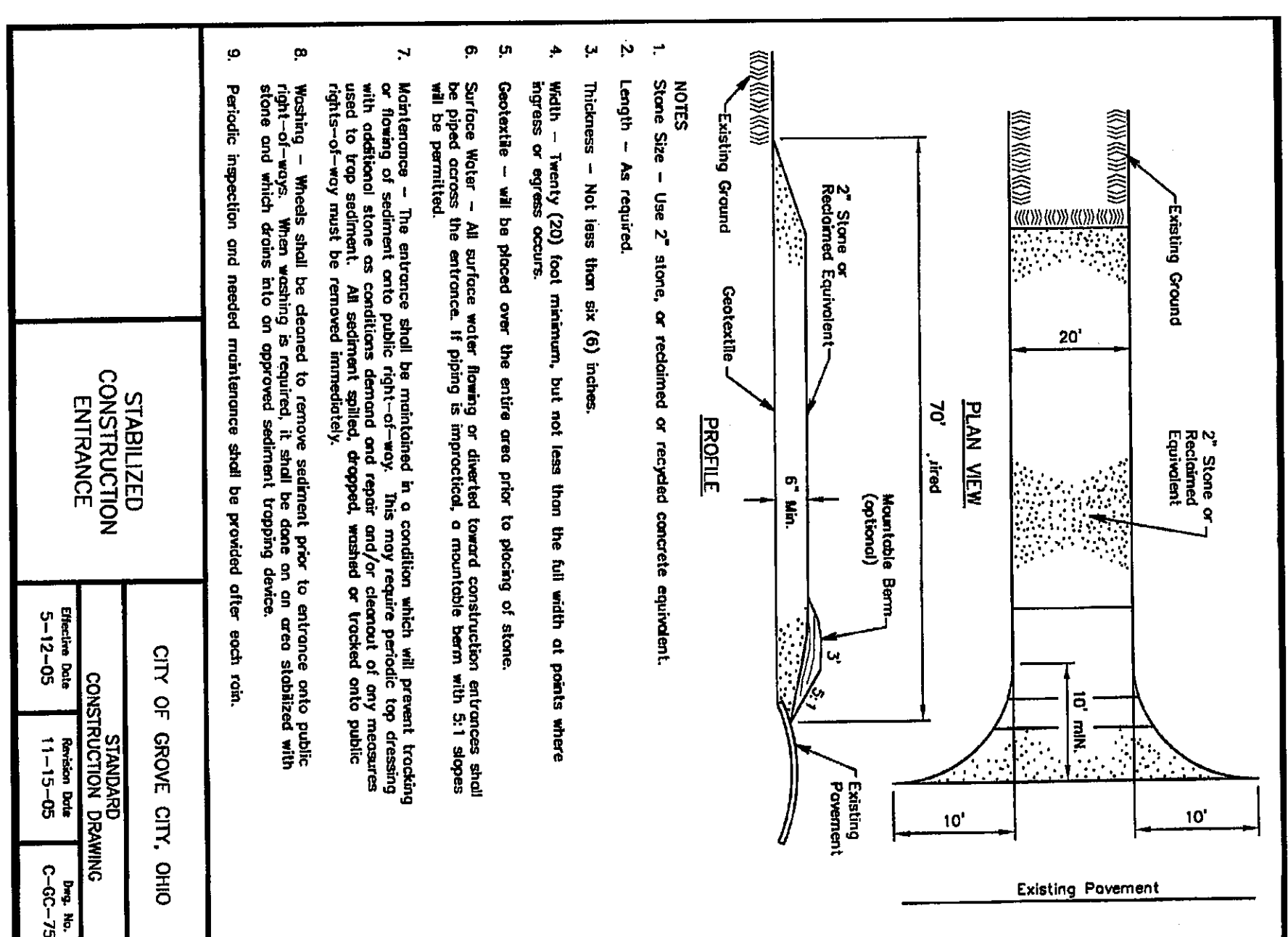


CONCRETE WASHOUT FACILITY

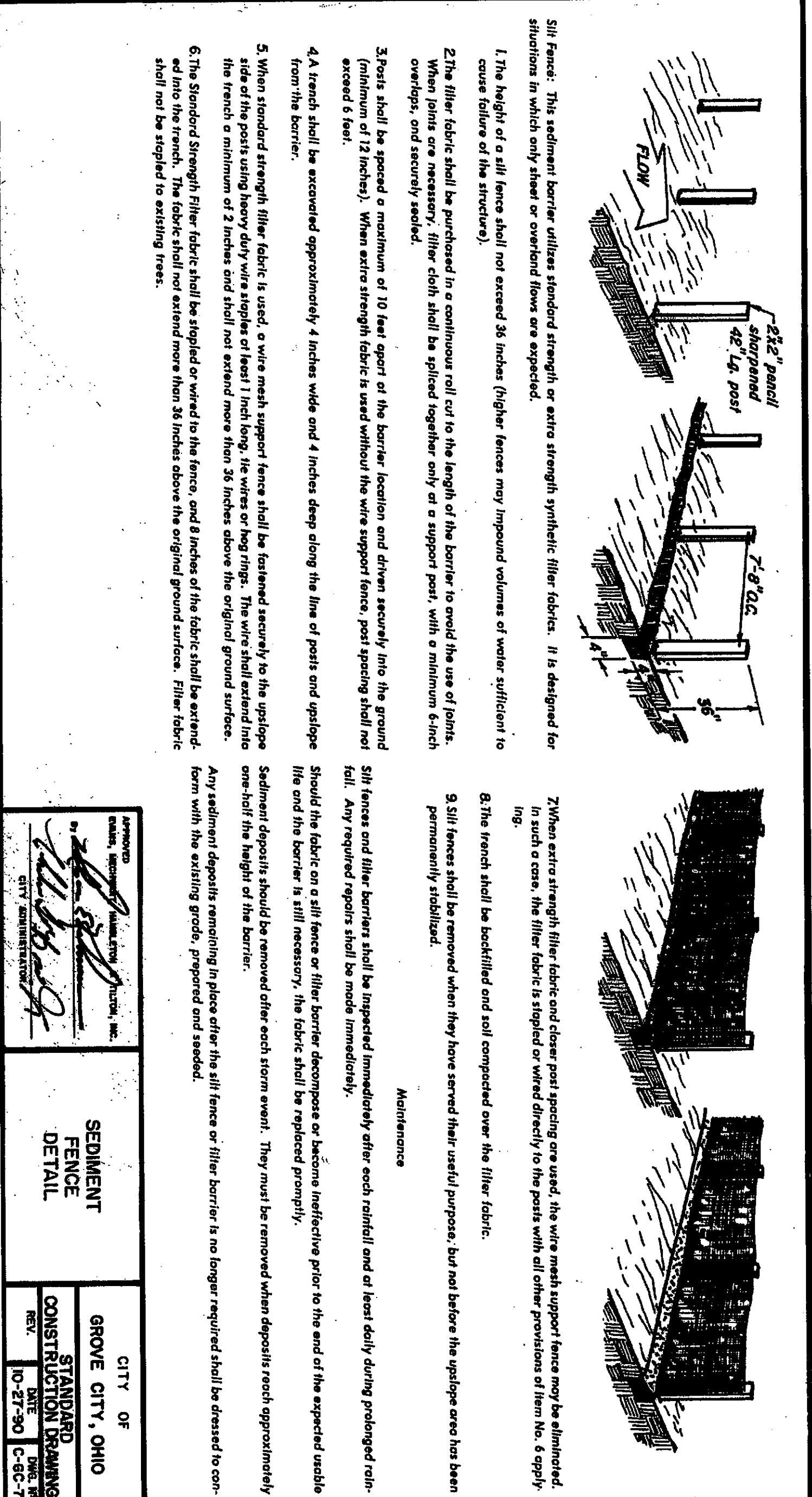
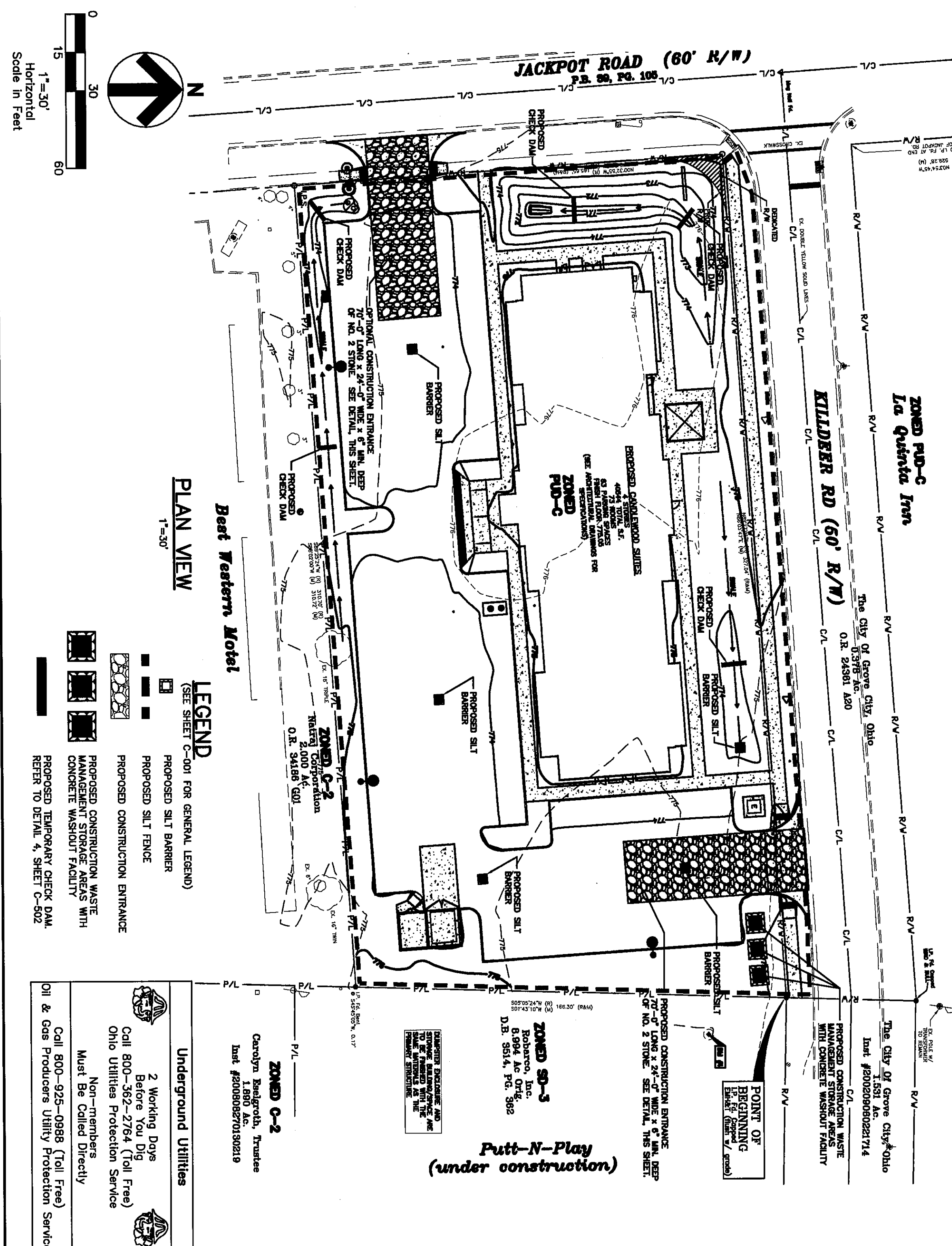


INSTALLATION:
Stand gate on end. Place Dandy Bag over gate. Dig gate over to foot open and is up. Pull up properly. Holding handles, carefully place Dandy Bag with gate inserted into Catch Basin from. MAINTENANCE:
After all flow dried, remove it from the surface of Dandy Bag with broom.

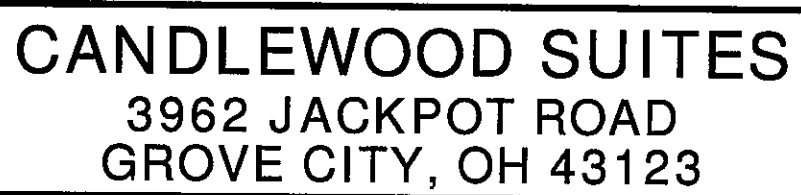
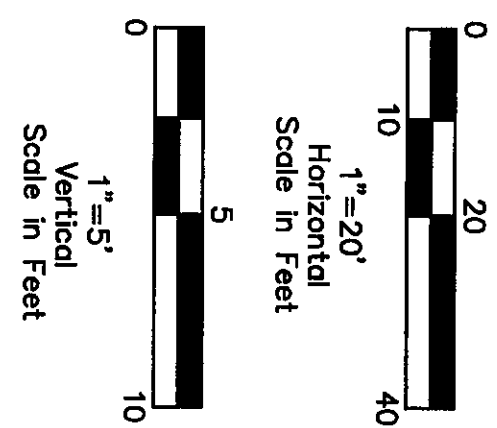
THE DANDY BAG OR EQUIVALENT	CITY OF GROVE CITY, OHIO	
	STANDARD CONSTRUCTION DRAWING	Drawn By: 5-12-05
	Reviewed By: 11-15-05	Check By: C-DC-714



STABILIZED CONSTRUCTION ENTRANCE	CITY OF GROVE CITY, OHIO	
	STANDARD CONSTRUCTION DRAWING	Drawn By: 5-12-05
	Reviewed By: 11-15-05	Check By: C-DC-73A



SEDIMENT FENCE DETAIL	CITY OF GROVE CITY, OHIO	
	STANDARD CONSTRUCTION DRAWING	Drawn By: 10-27-90
	Reviewed By: C-DC-714	Check By: C-DC-714



C-151


CANDLEWOOD

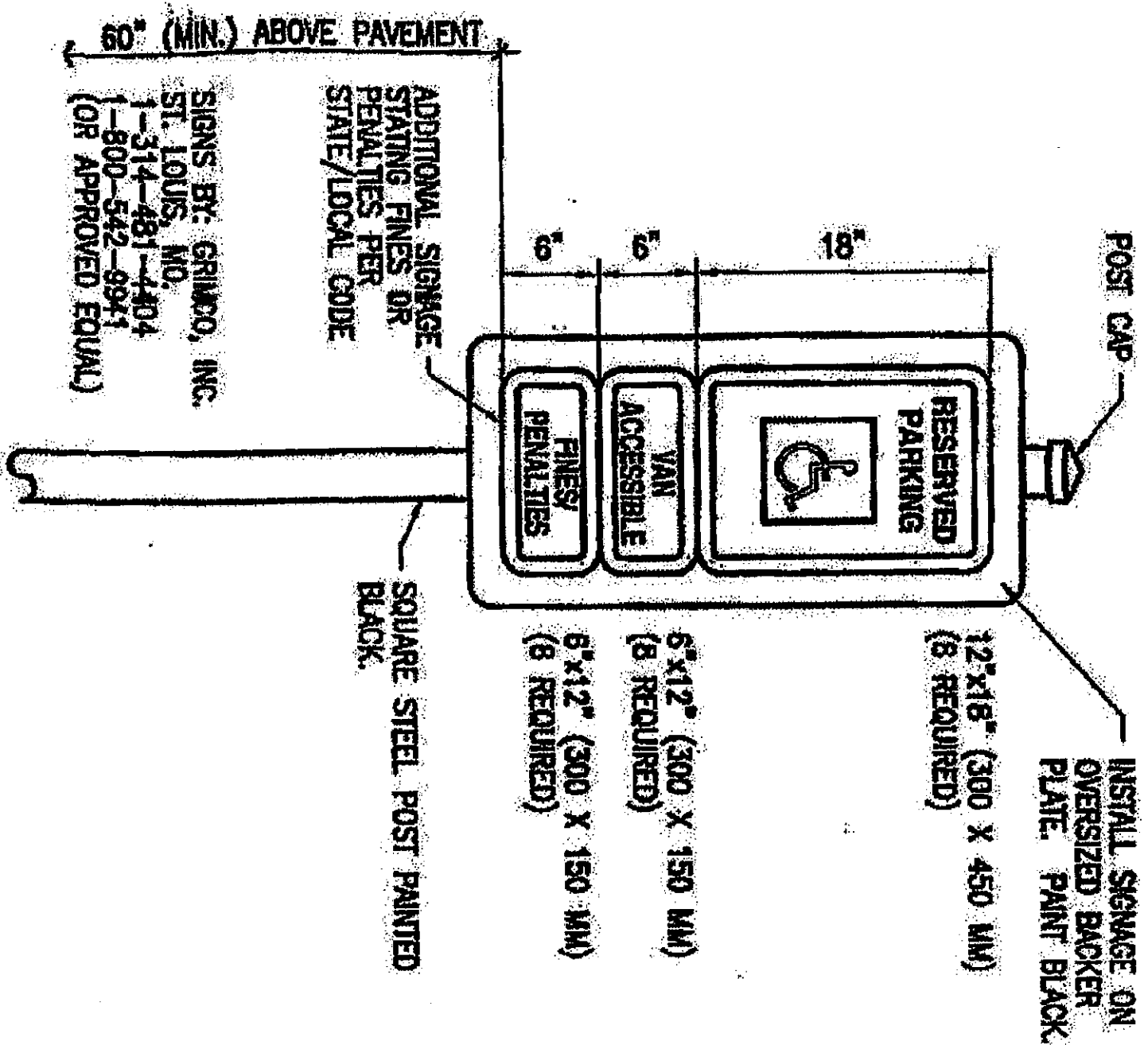
SUITES

GPD ASSOCIATES

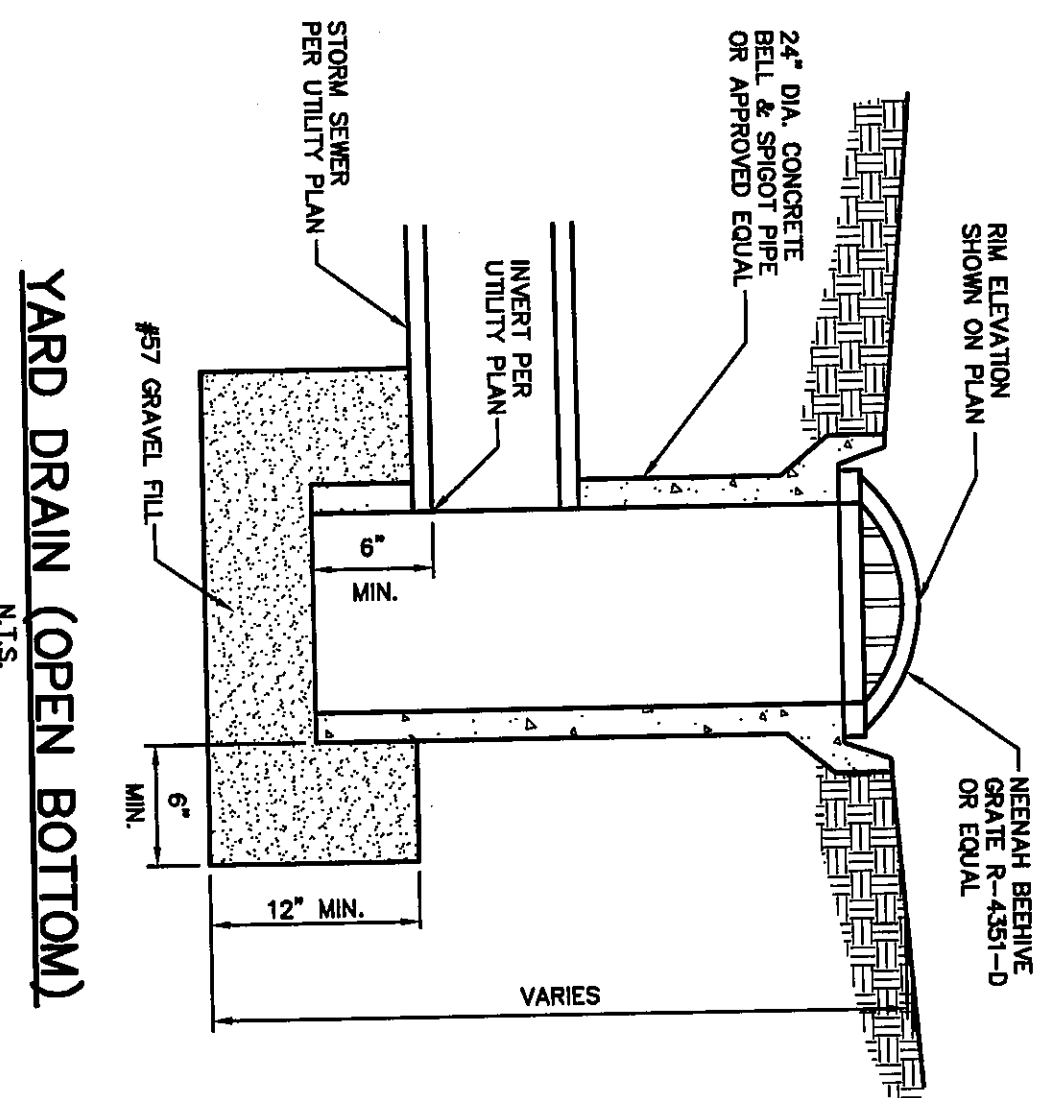
1800
100
Caldwell, ON L7L 3L5
646-210071, Fax 646-210072

QUALITY TRAVEL ACCOMMODATIONS • DISCOUNTS ON
TRAVEL • TRAVEL AGENTS • TRAVEL VOUCHERS

City of Grove City
Traffic Control Signage Detail

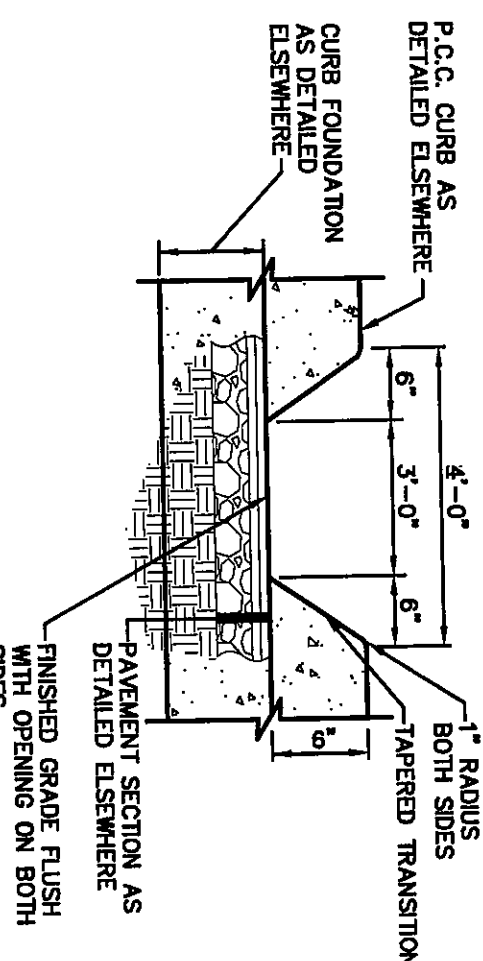


ADA PARKING SIGN
N.T.S.

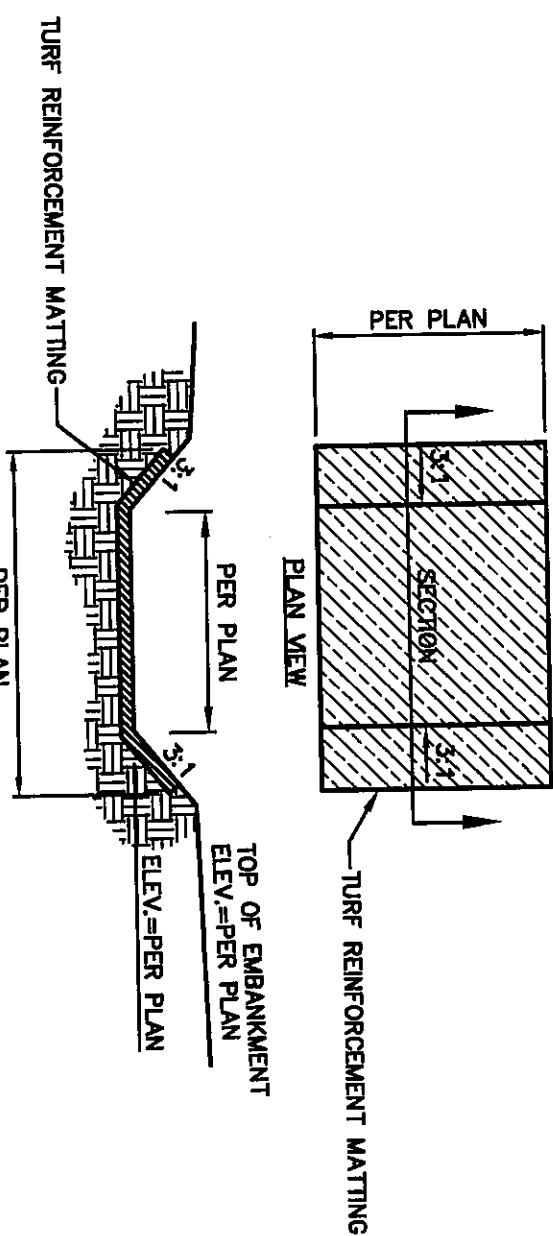


YARD DRAIN (OPEN BOTTOM)
N.T.S.

TRANSVERSE STRIPING
N.T.S.

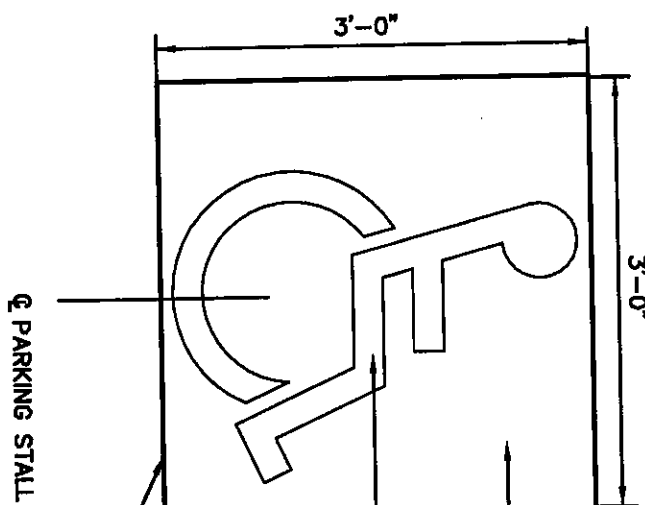


P.C.C. CURB OPENING
N.T.S.



NATIVE SEED MIX:
1. SEE SHEETS L-001, L-101, & L-501 FOR NATIVE SEED MIX SPECIFICATIONS AND LOCATIONS.
TURF REINFORCEMENT MATTING:
1. TURF REINFORCEMENT MATTING SHALL BE LANKA THMA9 (BY SYNTHETIC INDUSTRIES) OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
EMERGENCY SPILLWAY
N.T.S.

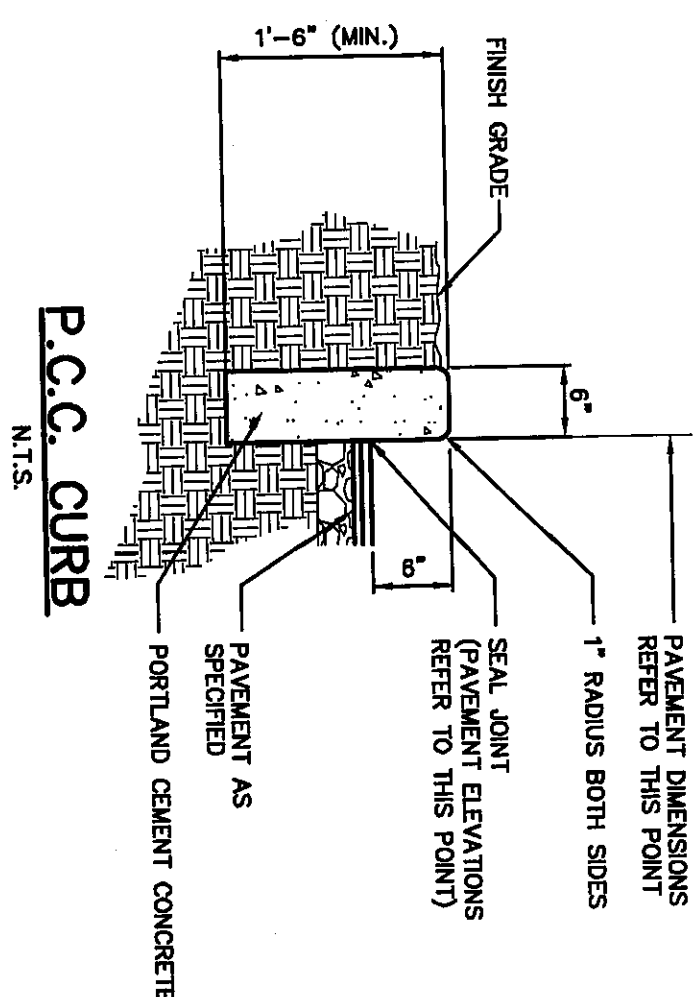
- KEYED NOTES
1. PAINT BACKGROUND BENJAMIN MOORE LATEX 465-30 - BLUE
 2. PAINT SANDS BENJAMIN MOORE LATEX 465-01 - WHITE
 3. BOTTOM EDGE OF SYMBOL BOX STRIKE AT DRIVE AISLE END OF STALL



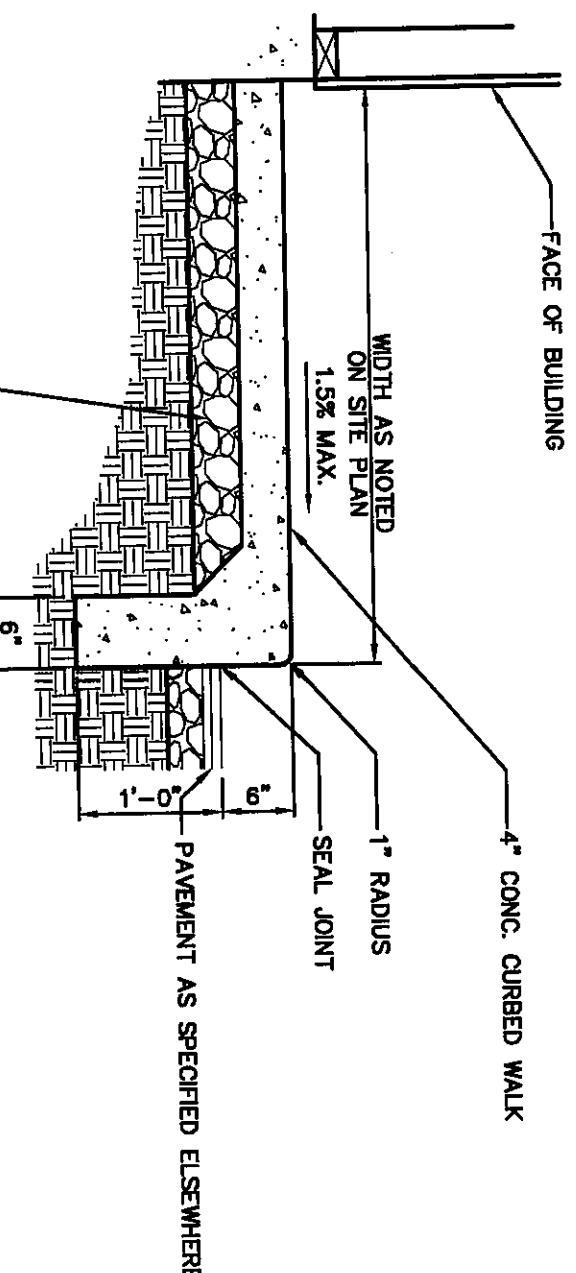
ADA PAVEMENT SYMBOL
N.T.S.

- PARADE SLOPE AS PER PLAN
1. ASPHALT SURFACE COURSE
 2. ASPHALT INTERMEDIATE COURSE
 3. AGGREGATE BASE
 4. SUBGRADE COMPACTION
 5. PROOF ROLLING
 6. TACK COAT
- NOTES:
1. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT INCLUDING SAW CUT JOINTS.
 2. SEE SITE PLAN FOR PAVEMENT THICKNESSES.

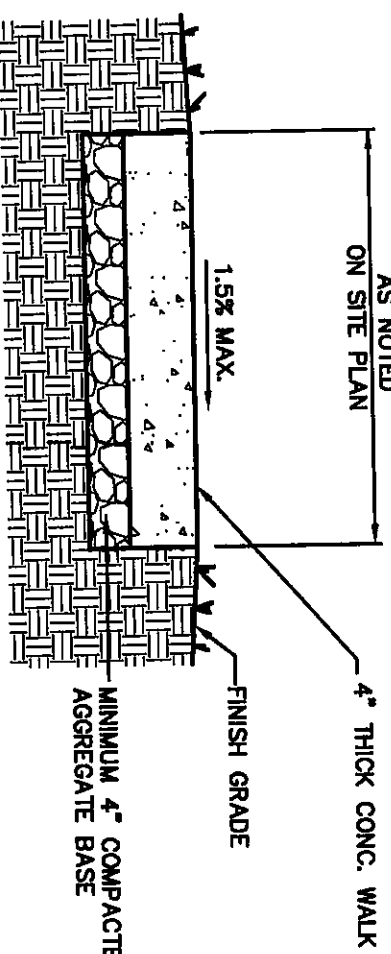
TYPICAL PAVEMENT SECTION
N.T.S.



P.C.C. CURB
N.T.S.



P.C.C. CURBED WALK
(ON SITE ONLY)
N.T.S.



P.C.C. WALK
(ON SITE ONLY)
N.T.S.

NOTES:

1. CONTRACTOR SHALL INSTALL 1/2\"/>

REV.	DATE	DESCRIPTION
1	3/27/09	1ST DEVELOPMENT PLAN SUBMITTAL
1	4/16/09	REVISED PER CITY OF GROVE CITY

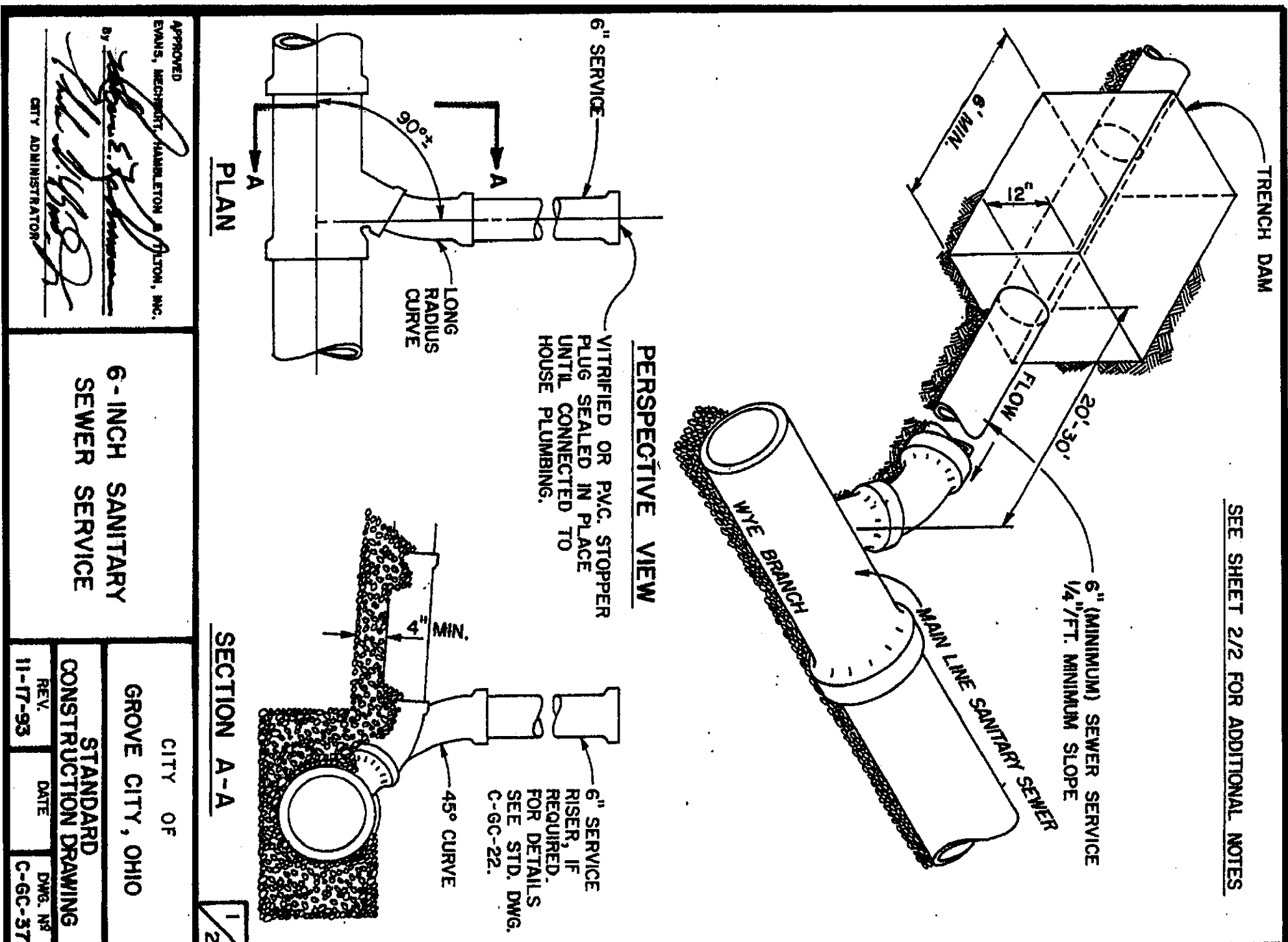
CANDLEWOOD SUITES
3962 JACKPOT ROAD
GROVE CITY, OH 43123

DETAILS

DESIGNED	DATE
K.B.	3/27/09
DRAWN	
A.S.	3/27/09
CHECKED	

JOB NO.
2009002.01

C-501



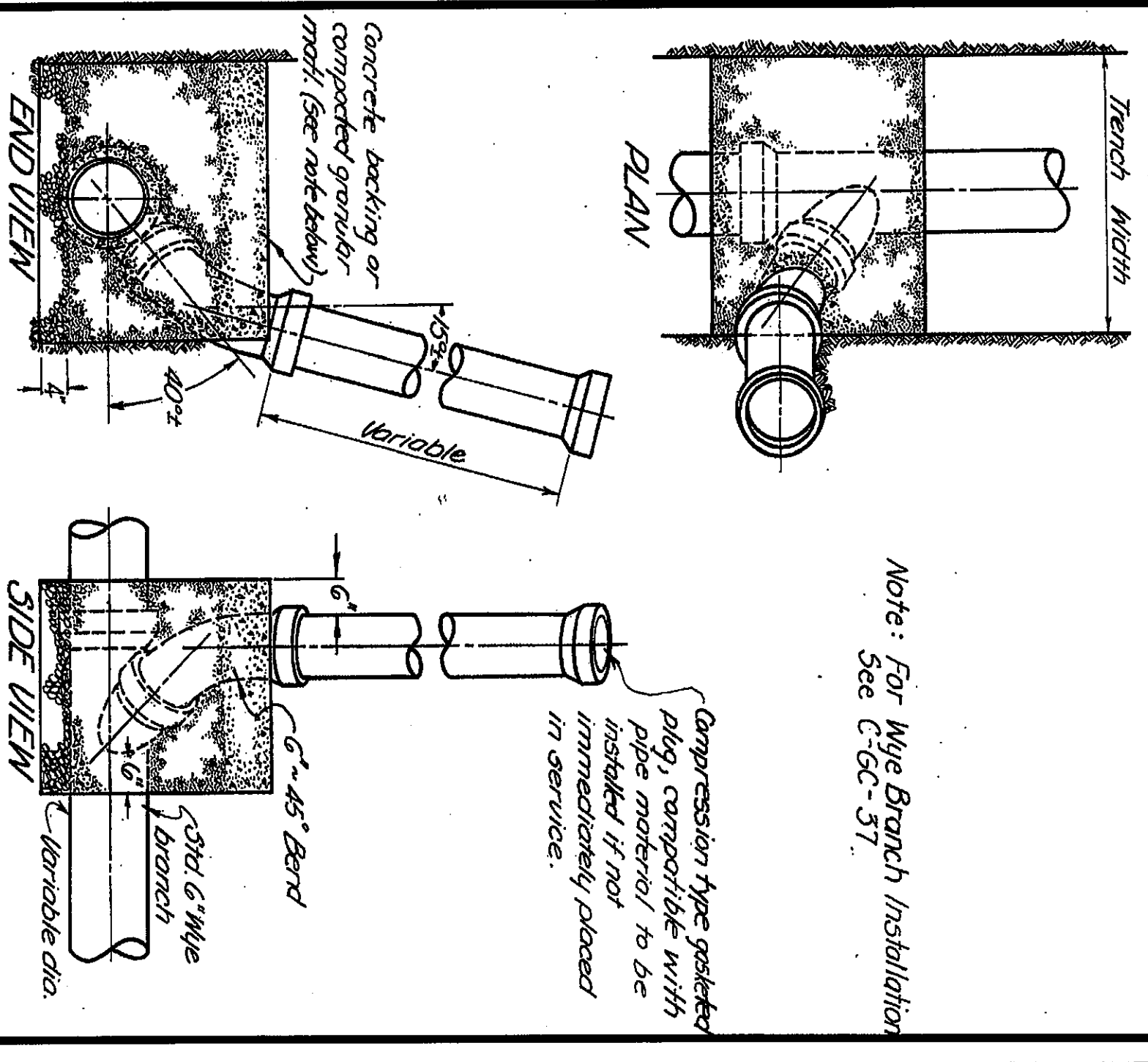
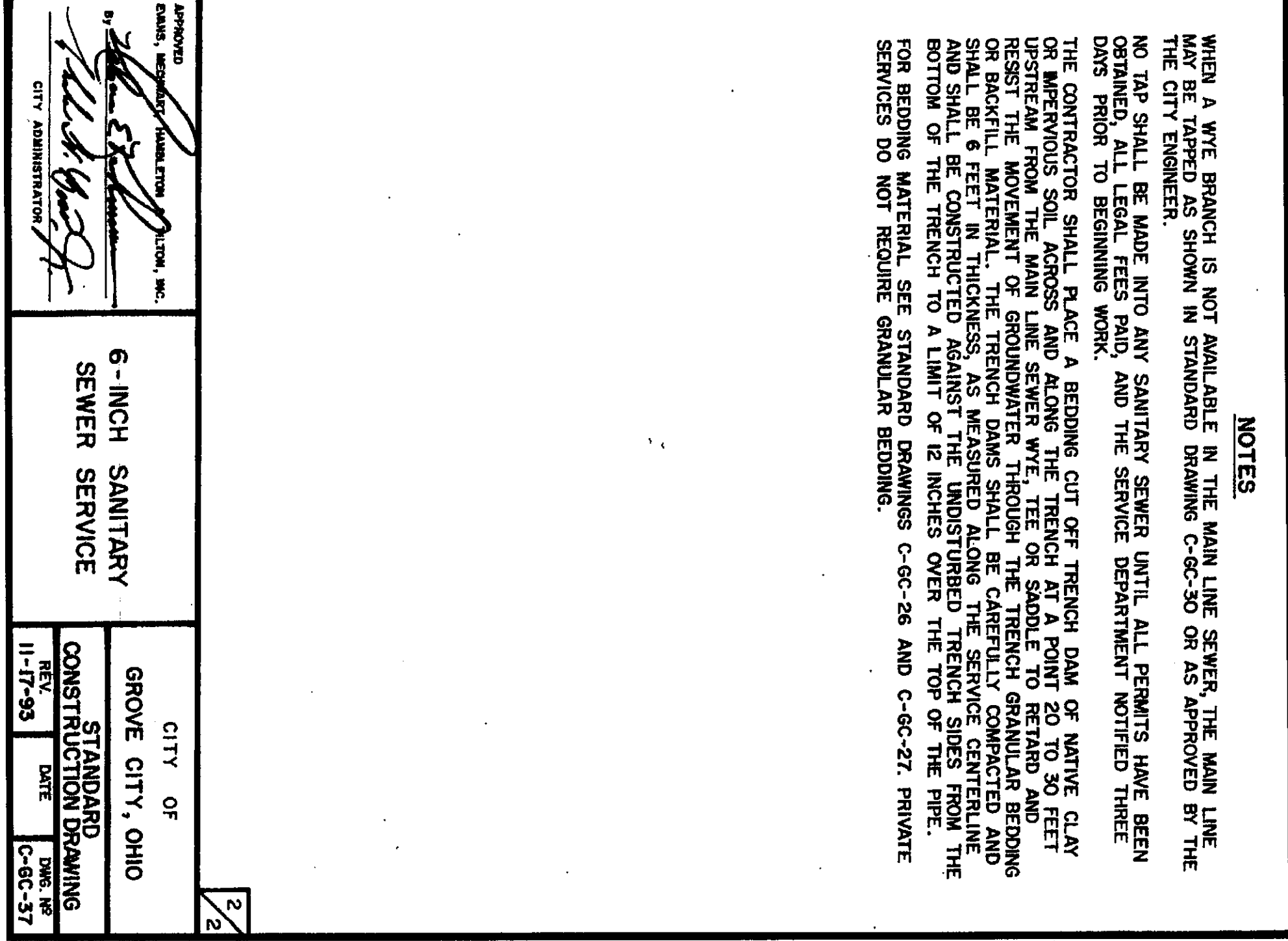
NOTES:

WHEN A WYE BRANCH IS NOT AVAILABLE IN THE MAIN LINE SEWER, THE MAIN LINE MAY BE TRAPPED AS SHOWN IN STANDARD DRAWINGS C-6C-30 OR AS APPROVED BY THE CITY ENGINEER.

NO TAP SHALL BE MADE INTO ANY SANITARY SEWER UNTIL ALL PERMITS HAVE BEEN OBTAINED, ALL LEGAL FEES PAID, AND THE SERVICE DEPARTMENT NOTIFIED THREE DAYS PRIOR TO BEGINNING WORK.

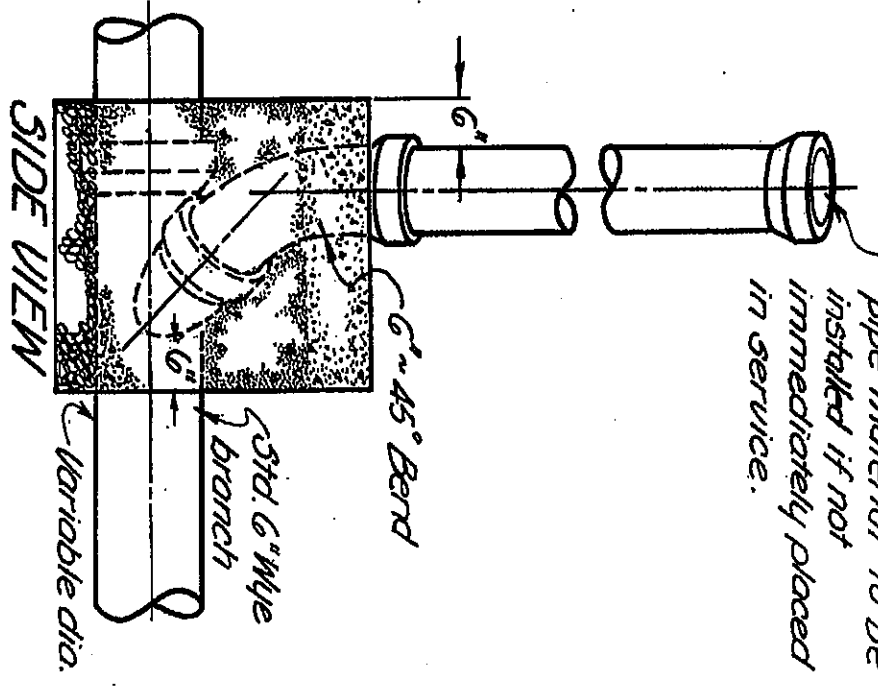
THE CONTRACTOR SHALL PLACE A BEDDING CUT OFF TRENCH DAM OF NATIVE CLAY OR ANEQUIVOCAL SOIL ACROSS AND ALONG THE TRENCH AT A POINT 20 TO 30 FEET UPSTREAM FROM THE MAIN LINE SEWER WYE, TEE OR SADDLE TO RETARD AND RESIST THE MOVEMENT OF GROUNDWATER THROUGH THE TRENCH GRANULAR BEDDING OR BACKFILL MATERIAL. THE TRENCH DAMS SHALL BE CAREFULLY COMPACTED AND SHALL BE 6 FEET IN THICKNESS, AS MEASURED FROM THE SERVICE CENTERLINE, AND SHALL BE CONSTRUCTED AGAINST THE SLOESIDE OF THE TRENCH DIDS FROM THE BOTTOM OF THE TRENCH TO A LIMIT OF 12 INCHES OVER THE TOP OF THE FILL.

FOR BEDDING MATERIAL, SEE STANDARD DRAWINGS C-6C-26 AND C-6C-27. PRIVATE SERVICES DO NOT REQUIRE GRANULAR BEDDING.



*Note: For Wyke Branch Installation
See C-6C-37.*

Compression type gasketed plug, compatible with pipe material to be installed if not immediately placed in service.

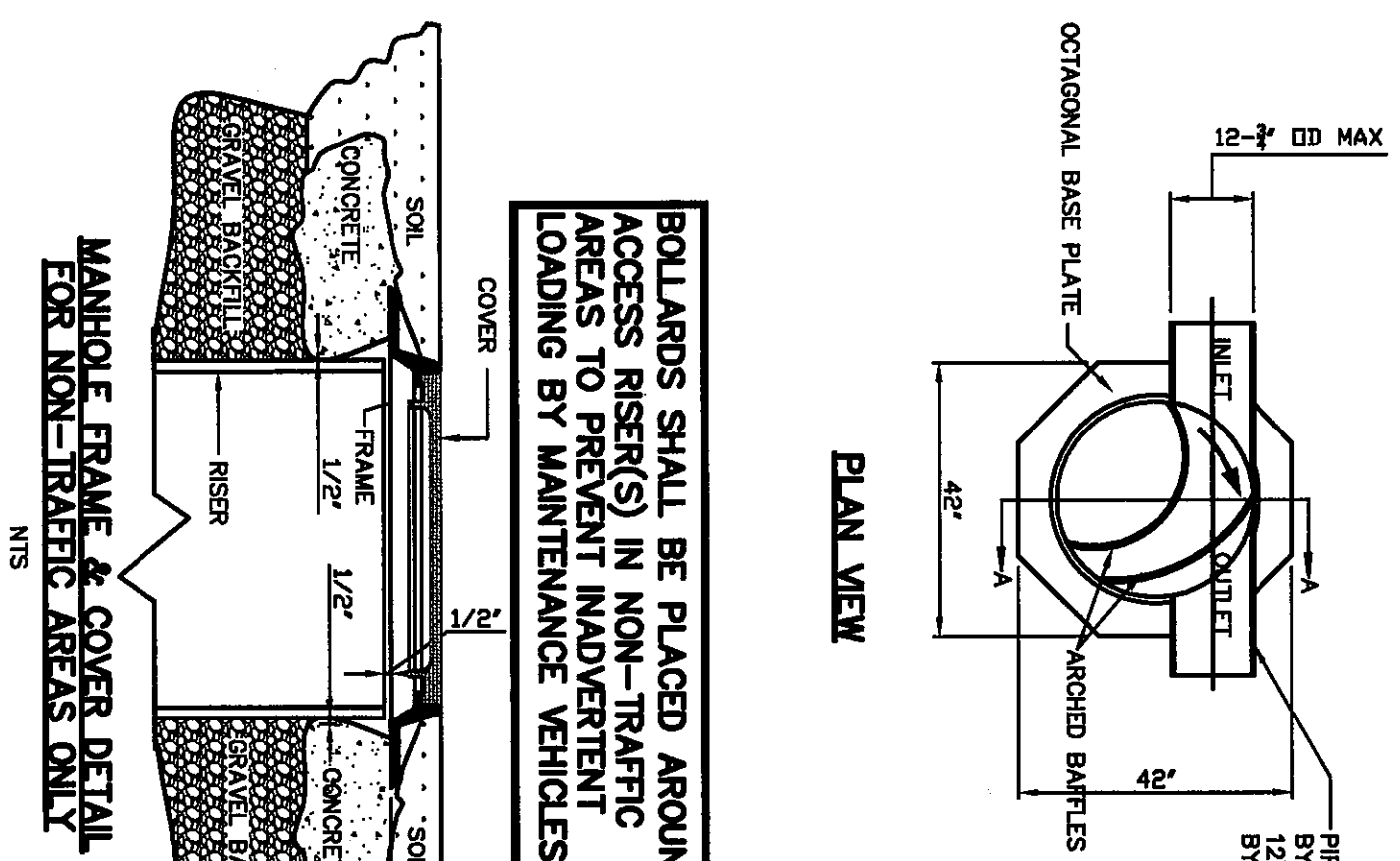


CONCRETE BACKING SHALL BE USED ONLY WITH EXTRA STRENGTH VITRIFIED CLAY PIPE, NON-REINFORCED CONCRETE, OR REINFORCED CONCRETE PIPE. COMPACTED GRANULAR MATERIAL SHALL BE USED ON ALL OTHER PIPE MATERIAL. AGGREGATE SHALL BE MATERIAL SUITABLE FOR TYPE I BEDDING.

APPROVED FOR THE BOARD DATE <u>10/19/02</u> City Engineer <u>[Signature]</u>		TYPICAL RISE DETAIL		City of Grove City Ohio
Standard Construction Drawing DATE <u>10/19/02</u>		12-00-22		2005

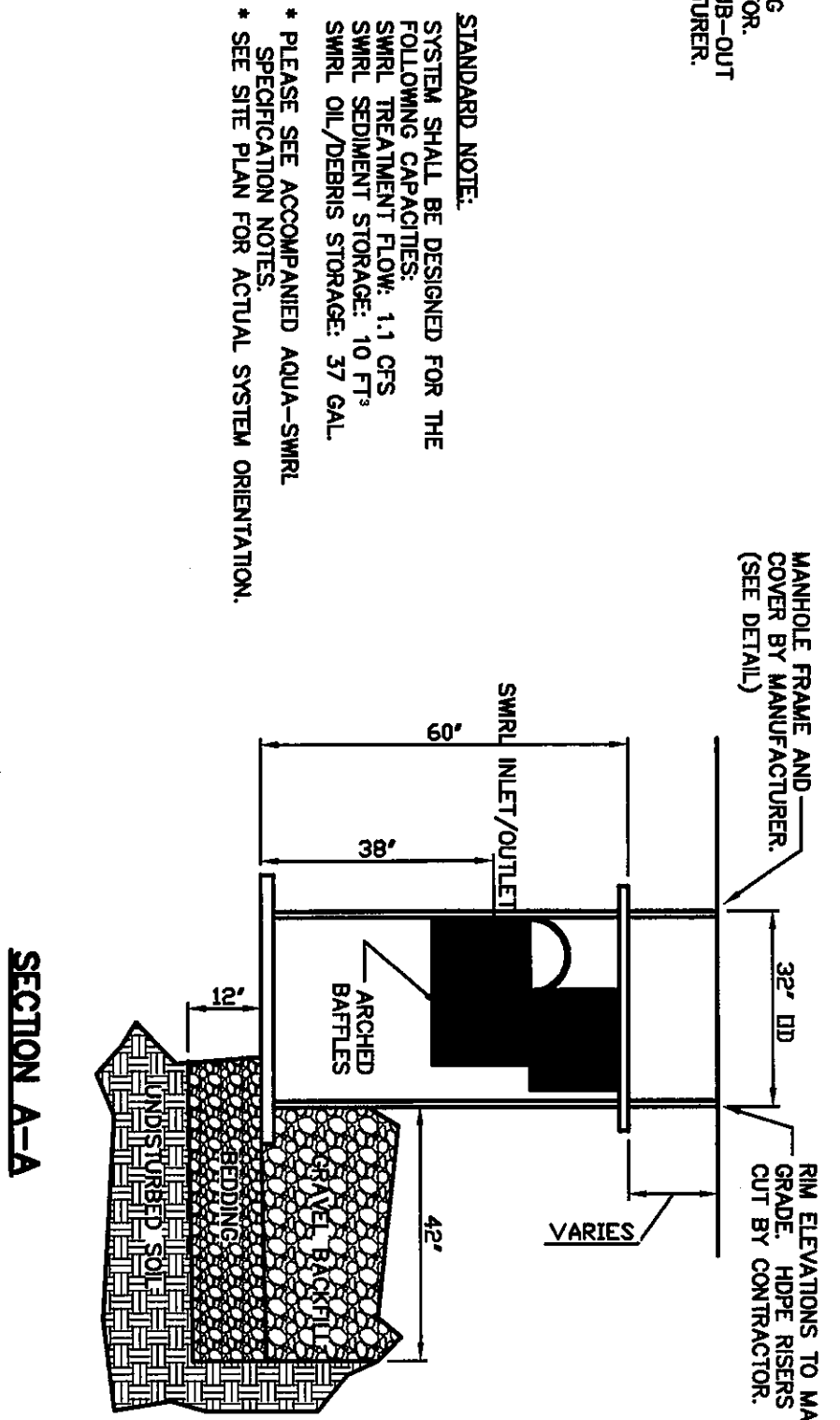
AQUA-SWRL SPECIFICATION NOTES

1. MANUFACTURER SHALL BE RESPONSIBLE FOR COMPLETE ASSEMBLY OF CONCRETE CONCENTRATOR.
2. SMRL CONCENTRATOR SHALL BE FABRICATED FROM HIGH-DENSITY POLYETHYLENE (HDPE) ASYM F 714 GEL CLASS 3454606 PER ASTM C 3350. THE SMRL CONCENTRATOR WALL (GREATER THAN 5' G) SHALL BE FABRICATED FROM PROFILE WALL HDPE ASYM B 694 NSI 260.
3. HDPE SLUR CUTS AND INTERNAL COMPONENTS SHALL BE EXTRUSION CASTED AND ACCEPTED FOR INSPECTION. INSIDE AND OUTSIDE BE WELDED ON INSIDE AND OUTSIDE.
4. IF LIFTING EYES DESTROY GRADE ELEVATION (RM) OR CONCRETE PAD SHALL BE FIELD PATCHED AFTER INSTALLATION OF SMRL.
5. MANUFACTURER SHALL SUPPLY DIRECT ACCESS TO SMRL CONCENTRATOR ASSEMBLY BY CONTRACTOR.
6. CONTRACTOR SHALL SUPPLY PIPE COUPLINGS TO AND FROM SMRL CONCENTRATOR, WHICH SHALL BE PENICO OR MISONIX STYLE NEOPRENE BOOT WITH STAINLESS STEEL TENSION BARS AND SHEAR GARD. IF CONTRACTOR WANTS TO USE A DIFFERENT TYPE OF COUPLER, LARGER, IT IS RECOMMENDED THAT CONTRACTOR USE A WARE MFG COUPLING (WWW.WAREMFG.COM), OR EQUAL, WITH ADHESIVE MASTIC AND TIGHTENING TO SPECIFICATIONS. THE COUPLER SHALL BE COATED WITH AN OIL-RESISTANT SEALANT AS DESCRIBED IN NOTE 11 OF 13 HEREIN. WARE MFG, OR EQUAL, COUPLINGS SHALL OVERLAP THE PIPE JOINT A MINIMUM OF 1' FOOT ON EACH END.
7. CONTRACTOR SHALL PREPARE EXCAVATION AND OFF-LOAD SMRL MATERIAL TO THE CONCENTRATOR. THE CONCENTRATOR SHALL BE INSTALLED AND STARTED ON SMRL CONCENTRATOR AS DETAIL ON SITE PLAN. (SEE NOTES 11 AND 12)



BOLLARDS SHALL BE PLACED AROUND ACCESS RISER(S) IN NON-TRAFFIC AREAS TO PREVENT INADVERTENT LOADING BY MAINTENANCE VEHICLES.

AQUA-SMRL CONCENTRATOR MODEL AS-2 CFD STANDARD DETAIL

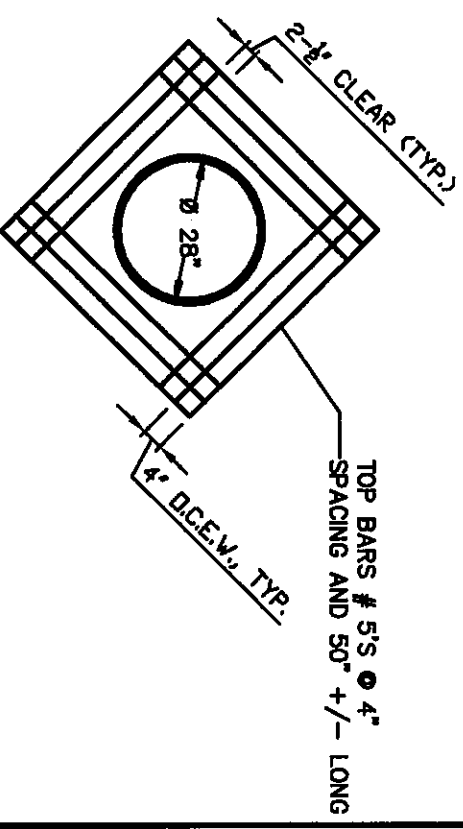


STANDARD NOTE:
THE SYSTEM SHALL BE DESIGNED FOR THE FOLLOWING CAPACITIES:
SWRL TREATMENT FLOW: 1.1 CPS
SWRL SEDIMENT STORAGE: 10 FT³
SWRL OIL/DEBRIS STORAGE: 37 GAL

* PLEASE SEE ACCOMPANIED AQUA-SWRL SPECIFICATION NOTES.
* SEE SITE PLAN FOR ACTUAL SYSTEM ORIENTATION.

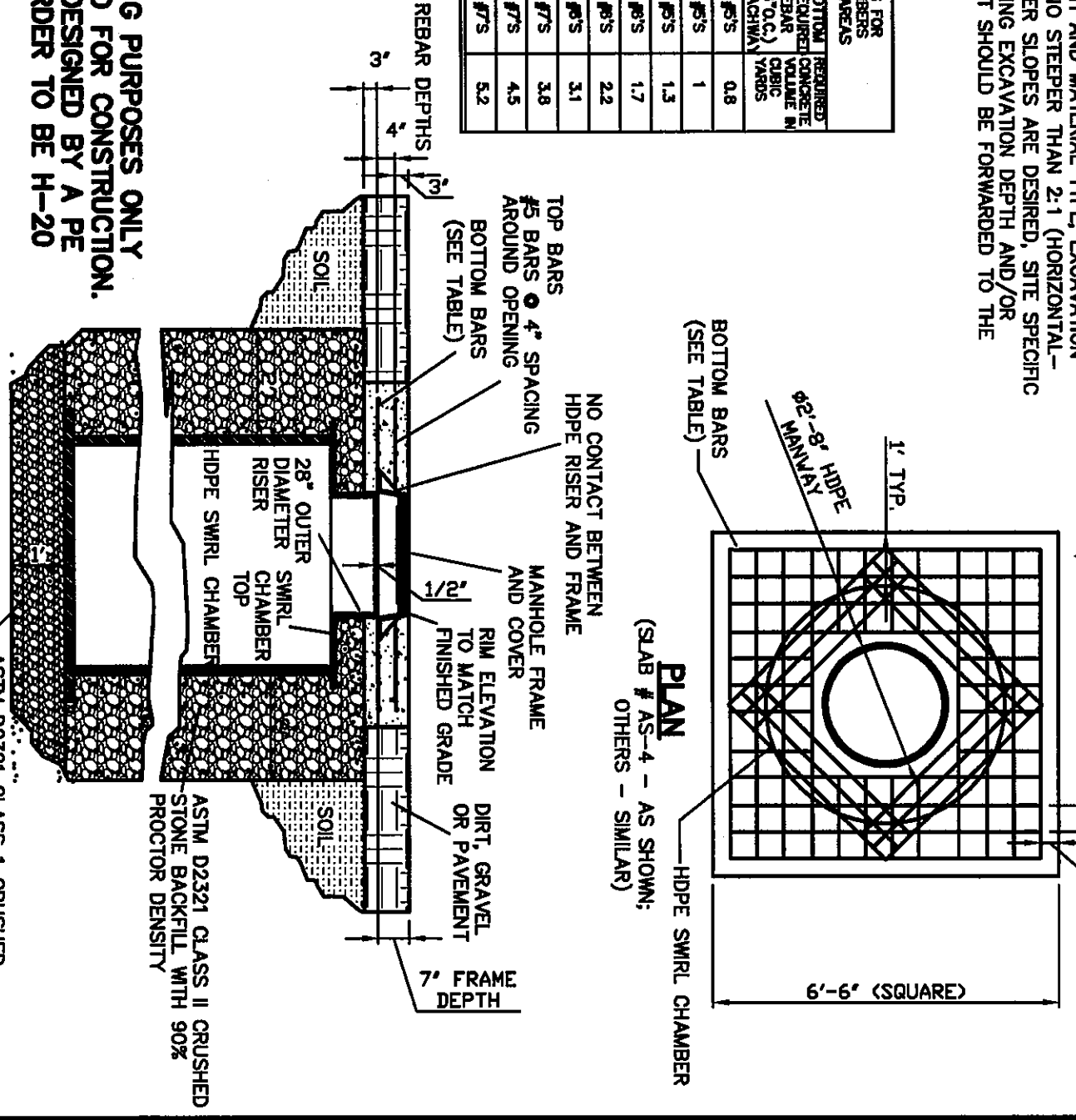
GENERAL NOTES

- CONCRETE PROPERTIES
- AIR ENTRAINMENT CONCRETE
- SLUMP ≥ 5 INCH
- AIR ≥ 1 %
- PROPERLY CURE CONCRETE FOR 5 DAYS
- COMPRESSIVE STRENGTH AT 28 DAYS ≥ 4000 P.S.I.
- CONCRETE COVER 3 INCH FOR ALL REINFORCING BARS
- REINFORCING PROPERTIES
- ASTM A615 GRADE 60
- WELDED WIRE FABRIC (W.W.F.) ASTM A661 SHEETS ONLY
- DESIGN CRITERIA
- CODES
- ACPAC BUILDING CODE FOR REINFORCED CONCRETE
- ASTM F1759 - DESIGN OF WELDE CHAMBER FOR SUBSISTING APPLICATION
- ASTM D3231 - CROSSLER STONE COMPACTION CRITERIA
- EXCAVATION
- SLORES SHOULD BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING
- EXCAVATION DEPTH AND MATERIAL TYPE, EXCAVATION SLORES SHOULD BE NO STEEPER THAN 1:1 (HORIZONTAL:VERTICAL), IF STEEPER EXCAVATION DEPTH AND MATERIAL TYPE, EXCAVATION SLORES SHOULD BE NO STEEPER THAN 1:1 (HORIZONTAL:VERTICAL)
- DESIGNED SLOPE HEIGHT SHOULD BE FORWARDED TO THE ENGINEER.



TYPICAL DETAIL FOR TOP BARS
FOR ALL CHAMBER SIZES

STANDARD 5.4.6 TESTS FOR DIVIDING ONE POLYNOMIAL BY ANOTHER			
FOR THE FOLLOWING STANDARDS			
ADDITIONAL STANDARDS #	NUMBER OF POLYNOMIALS ($P(x)$)	WIDTH X HEIGHT ($W \times H$)	NUMBER OF RECORDS IN DATA CARD
AS-2	3,5	5,5 x 4,5	0,8
AS-3	3,5	5,5 x 5,5	1
AS-4	4,5	6,5 x 6,5	1,3
AS-5	5,5	7,5 x 7,5	1,7
AS-6	6,7	8,5 x 8,5	2,2
AS-7	7,8	10 x 10	3,1
AS-8	8,8	11 x 11	3,8
AS-9	10	12 x 12	4,5
AS-10	11	13 x 13	5,2



THIS DETAIL IS FOR BIDDING PURPOSES ONLY
AND SHOULD NOT BE USED FOR CONSTRUCTION.
CONCRETE PAD MUST BE DESIGNED BY A PE
USING ASTM F-1759 IN ORDER TO BE H-20
LOAD COMPATIBLE.


AQUA SWIRL, MODEL AS-2 (180°)
NTS

WATERQUEST
 WATER TREATMENT SYSTEMS
 228 HAVEN PARK SUITE 200, CHANTAWOOD, TN 37024
 PHONE (615) 344-9004 FAX (615) 870-1007

AQUA-SMART
 AQUA-SMART STOCKWATER
 TREATMENT SYSTEM
 TYPICAL CONCRETE DETAIL
 FOR 18" - 20" DRAINING - SLAB

SWIRL MODEL AS-2 (180°)
 N.T.S.

REV.	DATE	DESCRIPTION
	3/27/09	1ST DEVELOPMENT PLAN SUBMITTAL
1	4/16/09	REVISED PER CITY OF GROVE CITY


CANDLEWOOD

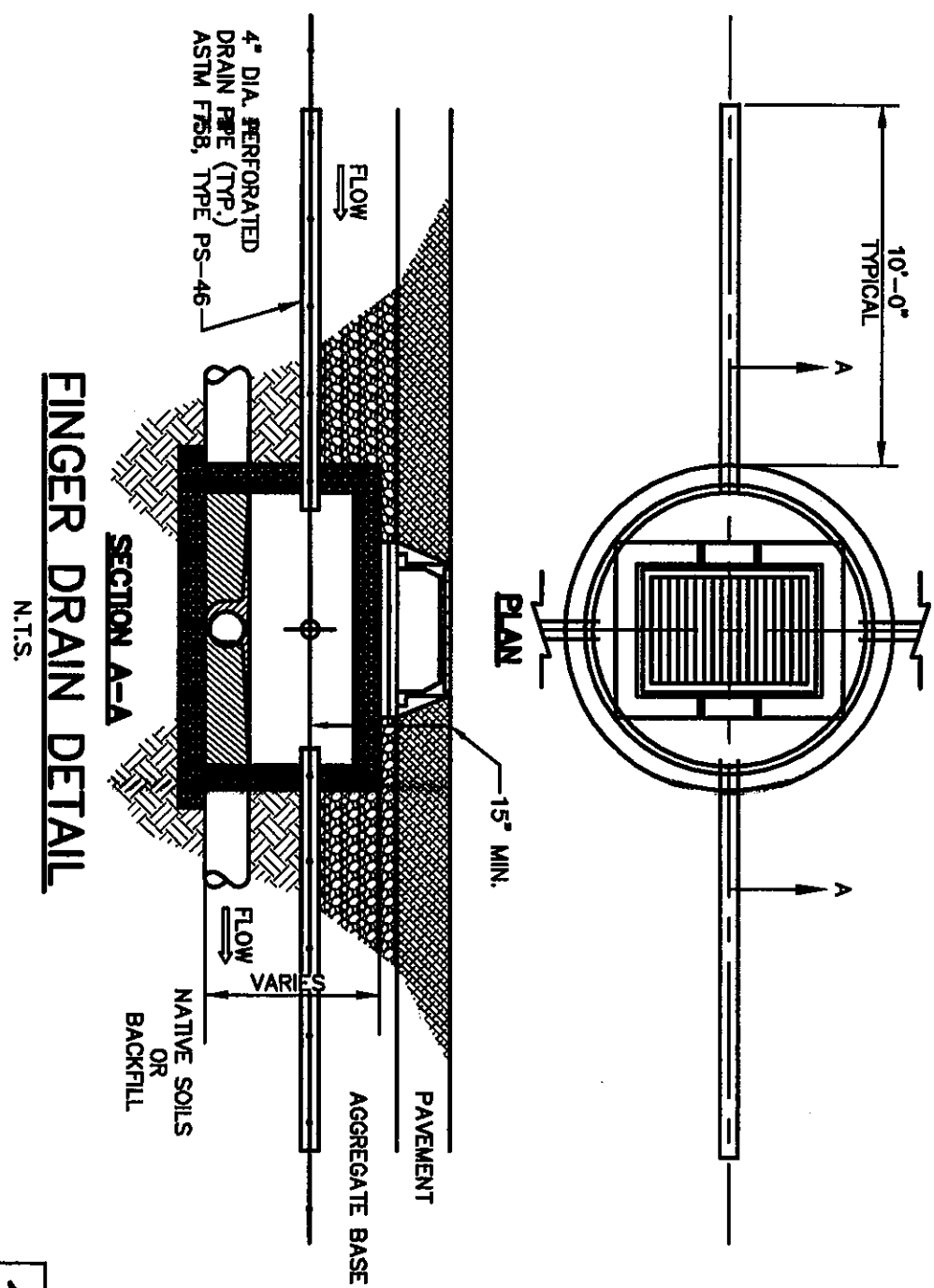
SUITES

1801 W. McDowell Ave., Suite 110
Phoenix, AZ 85015
602.271.0071, Fax 602.270.0732

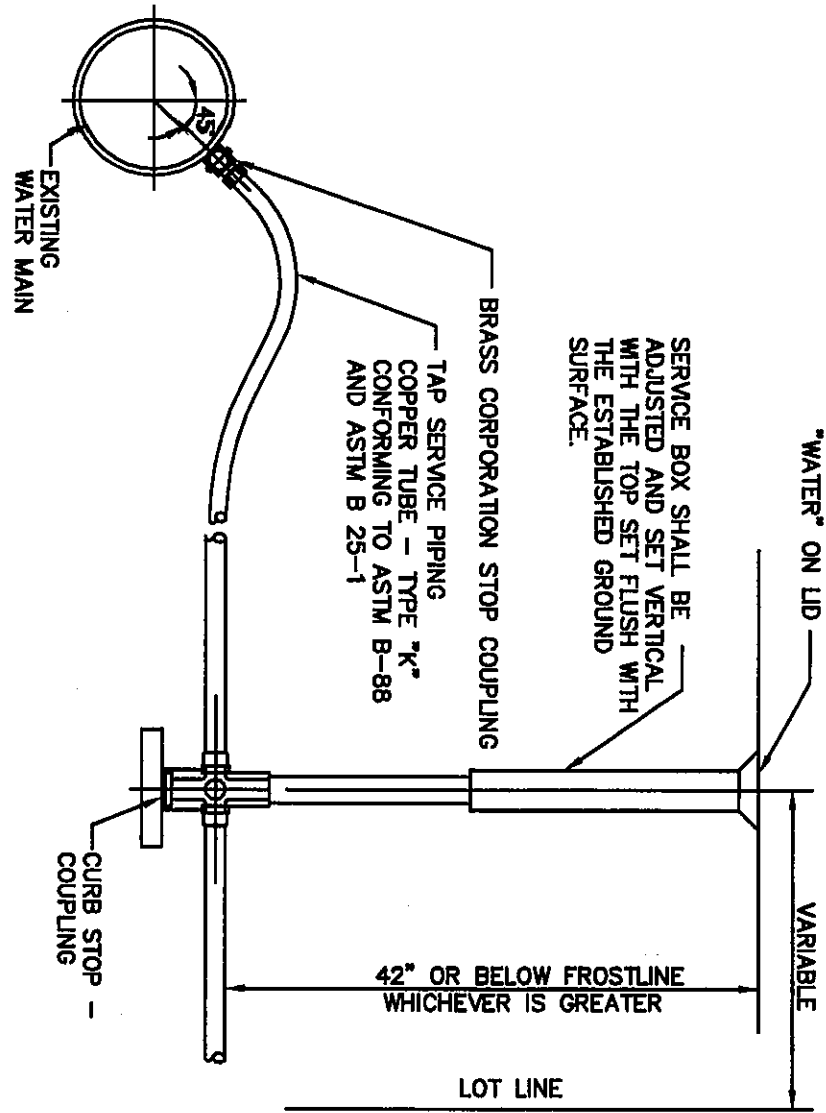
IFMA
ASSOCIATES

DAVID PYLE, SCOTT W. BIRNIE & BRIANNA J. HINC

CLAUS FYLLE SCHOMER BURNS & DEHAVEN INC.



13



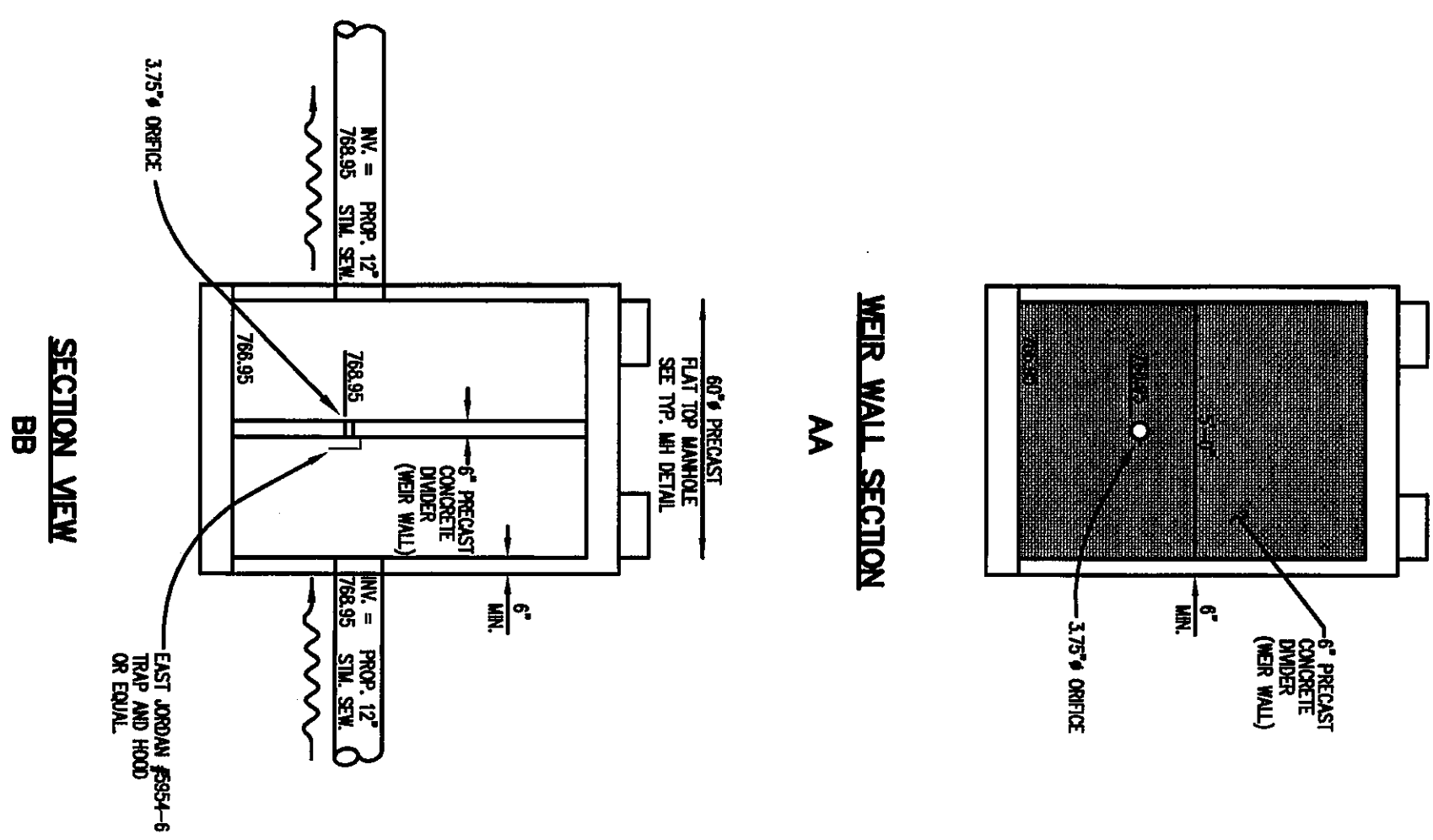
WATER SERVICE TAP
N.T.S.

14

AQUA-SWIRLTM SPECIFICATION NOTES

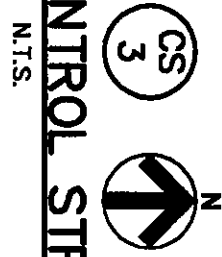
1. Manufacturer shall be responsible for complete assembly of Swirl Concentrator.
2. Swirl Concentrator shall be fabricated from high-density polyethylene (HDPE) ASTM F 714 cell class 34564C per ASTM D 3350. The Swirl Concentrator wall (greater than 54" OD) shall be fabricated from profile wall HDPE ASTM F 894 RSC 250.
3. HDPE stub outs and internal components shall be extrusion welded using accepted welding practices. Stub outs shall be supplied by Manufacturer and welded on inside and outside.
4. If lifting eyes disturb grade elevation (ftm) or concrete pad rear alignment, they may be cut in field after installation of Swirl Concentrator by Contractor.
5. Manufacturer shall supply direct access to Swirl Concentrator via 32" (900) OD access (s) which can be field cut to match finished grade by Contractor.
6. Contractor shall supply pipe couplings to and from Swirl Concentrator, which shall be Ferro or Mission style neoprene boot with stainless steel tension bands and shear guard.
7. For corrugated plastic pipe, or pipe with a diameter of 24" or larger, it is recommended that Contractor use a Mar Mac coupling (www.mar-mac.com), or equal, with adhesive mastic and tightening bands to create a watertight seal around the joint. The joint shall then be immobilized with a concrete collar with compacted base as described in either Note 11 or 12 herein. Mar Mac, or equal, couplings shall overlap the pipe joint a minimum of 1 foot on either side.
7. Contractor shall prepare excavation and off-road Swirl Concentrator. Contractor is responsible for bedding and backfill around Swirl Concentrator (see detail on site plan, (see notes 11 and 12)
8. Manufacturer shall supply standard manhole frame(s) and cover(s). (Traffic rated H20)
9. Where traffic loading (H-20) is required or anticipated, a reinforced concrete pad must be placed over the Swirl Concentrator per concrete design as calculated by Engineer. For systems where the depth from grade to the roof of the chamber is greater than the radius of the chamber, only a 5' X 5' reinforced concrete pad is necessary. For shallower burials, a pad extending over the entire chamber is required. Sample of typical concrete design detail is available upon request.
10. Unless other traffic barriers are present, bollards shall be placed around access risers in non-traffic areas to prevent inadvertent loading by maintenance vehicles. Sample of typical bollard installation detail and recommended locations of bollards around the Swirl Concentrator can be provided upon request.
11. Excavation and Bedding - The trench and trench bottom shall be constructed in accordance with ASTM D-2321, Section 6, Trench Excavation, and Section 7, Installation. The HDPE Swirl Concentrator shall be installed on a stable base consisting of 12-inches of Class 1 stone materials as defined by ASTM D2321, Section 5, Materials, and compacted to 95% proctor density. Class 1 stone is preferred. Bedfill and bedding materials shall be free of debris. Bedding shall conform to ASTM F1752, Section 7.2, Design Assumptions. Bedfill shall extend at least 42 inches outward from Swirl Concentrator and for the full height of the Swirl Concentrator (including riser(s) extending laterally to underdrift soils).
12. Backfill Requirements - Bedfill materials shall be Class 1 Stone or Class II materials (well graded gravels, gravelly sands, contains little or no fines), as defined by ASTM D2321, Section 5, Materials, and compacted to 90% proctor density. Class 1 stone is preferred. Bedfill and bedding materials shall be free of debris. Bedding shall conform to ASTM F1752, Section 7.2, Design Assumptions. Bedfill shall extend at least 42 inches outward from Swirl Concentrator and for the full height of the Swirl Concentrator (including riser(s) extending laterally to underdrift soils).

10

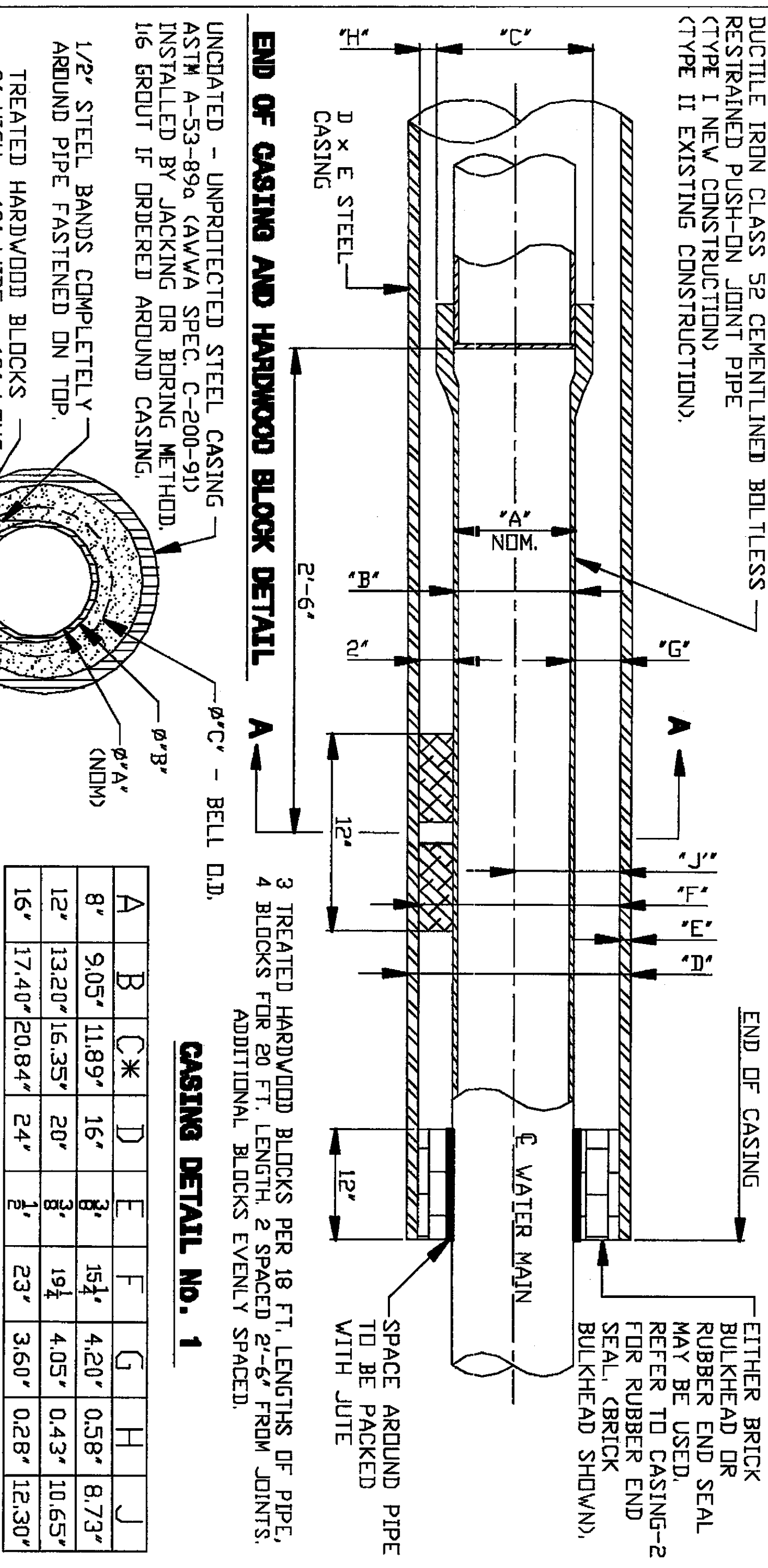


WELL WALL SECTION
BB

PROPOSED CONTROL STRUCTURE
N.T.S.



2



- NOTES:
1. CONTRACTOR'S FAILURE TO MAINTAIN THE CASING PIPE ON THE LINE AND GRADE AS SHOWN OR DIRECTED, RESULTING IN THE USE OF ADDITIONAL PIPE AND/OR FITTINGS TO MAKE CONNECTIONS TO EXISTING WATER MAIN WILL BE CAUSE FOR REJECTION OF CASING INSTALLATION.
 - *2. OUTSIDE DIAMETER OF BELL OF BOLTLESS RESTRAINED PIPE MAY VARY WITH MANUFACTURE. THEREFORE, CONTRACTOR SHALL VERIFY O.D. OF BELL AND INCREASE SIZE OF STEEL CASING AS REQUIRED.
- STD-016

DATE: 10-1-97

BY: RSK

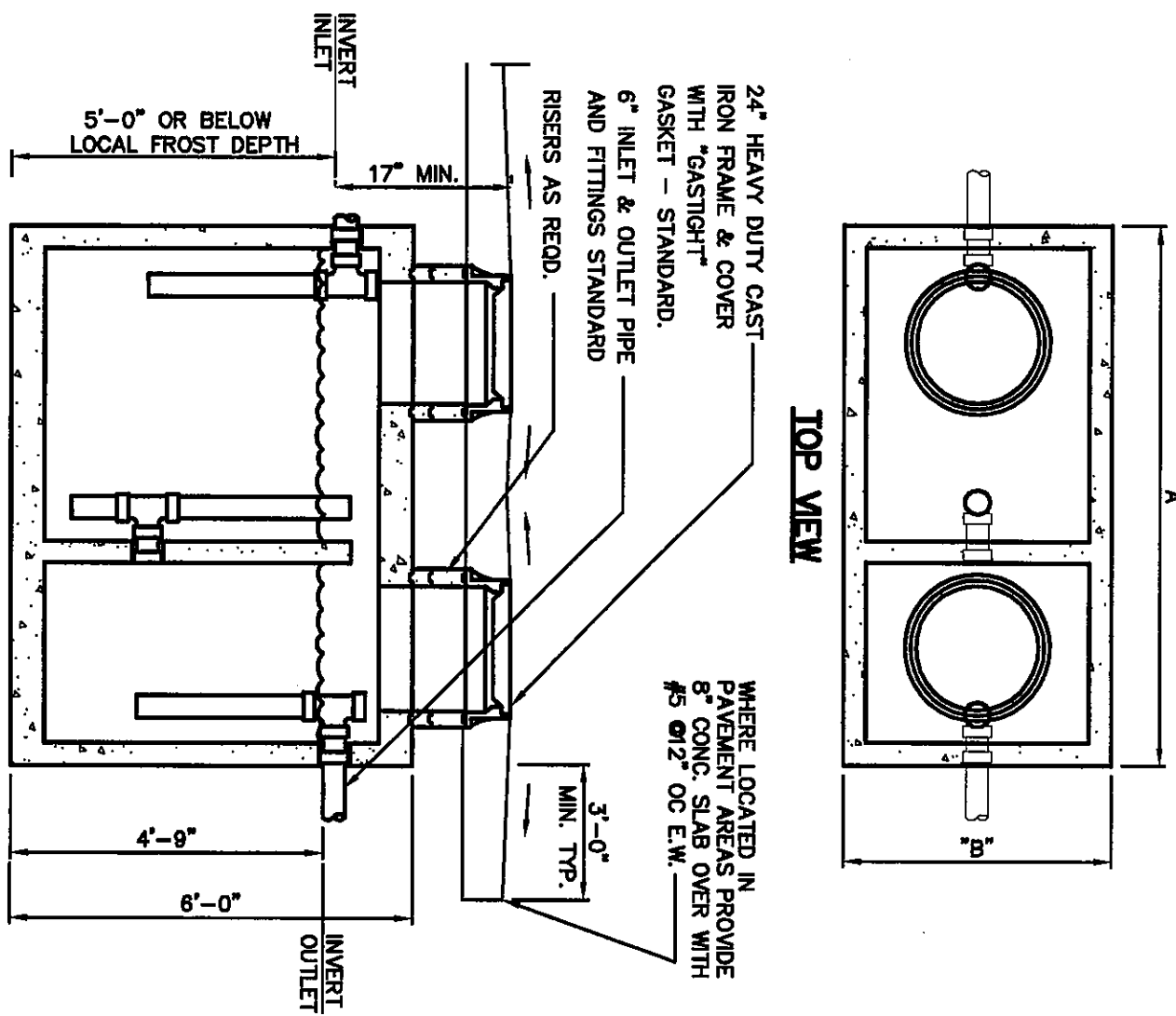
12

0.08 - 0.10	0.090	11.34	74.28	92.09	68.40
0.10 - 0.12	0.110	13.86	0.11	89.74	0.10
0.12 - 0.14	0.130	16.38	0.21	87.17	0.18
0.14 - 0.16	0.150	18.90	0.43	84.39	0.36
0.16 - 0.18	0.170	21.42	0.60	81.39	0.60
0.18 - 0.20	0.190	23.94	14.45	78.18	11.30
0.20 - 0.25	0.225	28.35	0.00	72.03	0.00
0.25 - 0.35	0.300	37.80	3.72	56.64	2.11
0.35 - 0.45	0.400	50.40	3.19	31.39	1.00
0.45 - 0.55	0.500	63.01	1.38	0.71	0.01
Total Cumulative Retained %				97.77%	Net Annual %
					83.46

1. Based on hourly precipitation rainfall data (Columbus, National Climatic Data Center, NCDC)
2. Based on Tennessee T-46 University Boundary rainfall of 48.0 inches/yr. (www.weather.gov, www.ncep.noaa.gov/climate/ncdc)
3. 90% Retention Rate, calculated as a percentage of rainfall data, www.weather.gov, www.ncep.noaa.gov/climate/ncdc
4. NCEP data may not be representative, depending on the location and the time of day.

Sales Representative:
Joseph O'Brien
Entel Service & Technology
5782 Kato Farm Court
Saline, MI 48176
Phone: (734) 697-3839
Fax: (734) 944-7754
E-mail: josephobrien@comcast.net

AquaShield TM		STORMWATER TREATMENT SOLUTIONS	
OH	COLUMBUS UNIV	AS-2	83.46%
1.3	423 days (~1.16 yrs within 6 yr span)		
0.92			
80 %			
		37	10



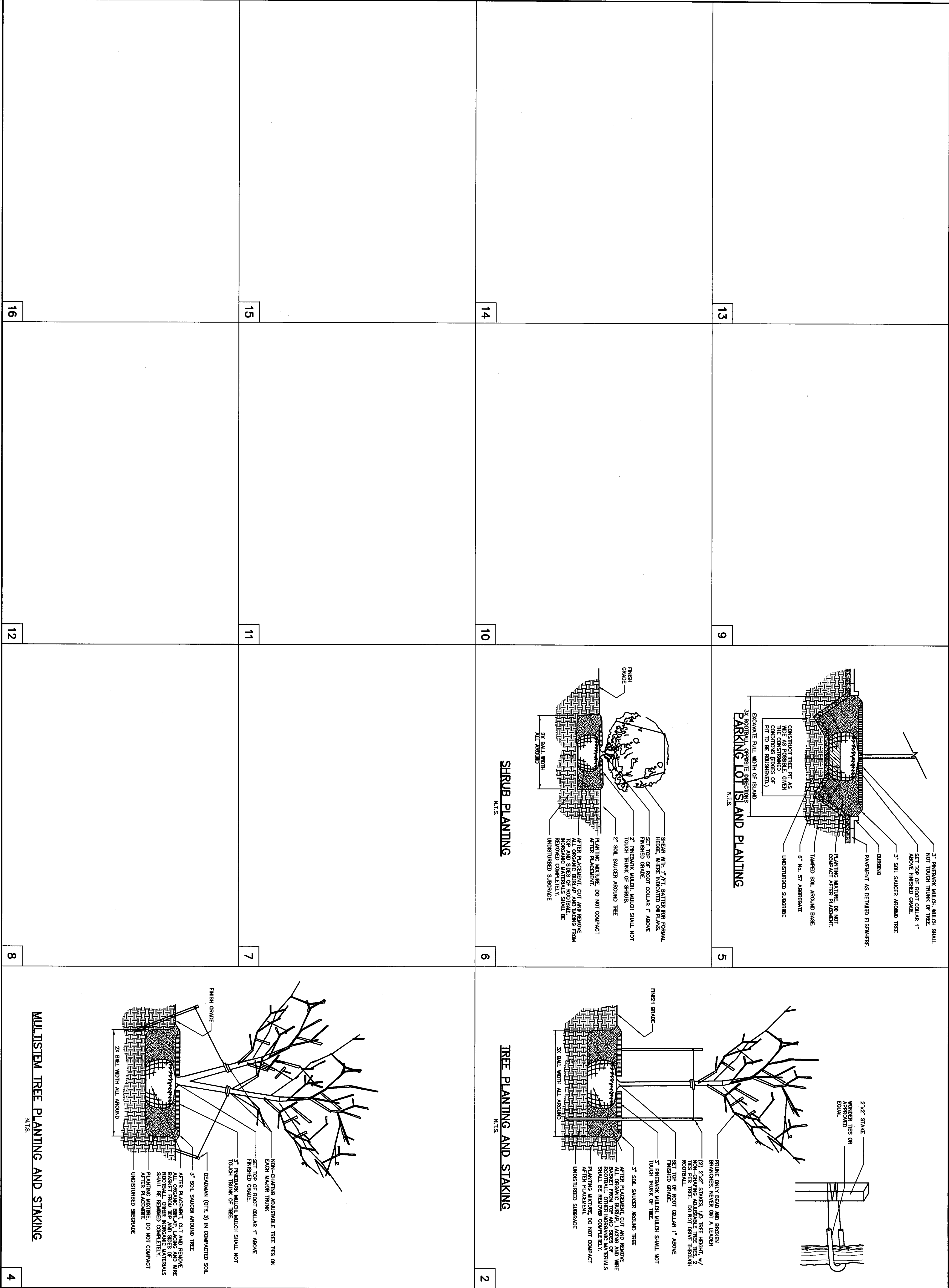
EXTERIOR GREASE INTERCEPTOR
N.T.S.

4

REV.	DATE	DESCRIPTION
	3/27/09	1ST DEVELOPMENT PLAN SUBMITTAL
1	4/16/09	REVISED PER CITY OF GROVE CITY



DESIGNED	DATE
K.B.	3/27/09
DRAWN	
A.S.	3/27/09
CHECKED	
JOB NO.	
2009002.01	



Situated in the State of Ohio, County of Franklin, City of Grove City, (formerly Jackson Township) Virginia Military Survey No. 8231, being all of that 1.212 acre tract of land described in a deed to NANUBHAI and MANU PATEL of record in Official Record 22973E13, being part of Parcel No. 2 as same is designated and delineated on the recorded plat of "JACKPOT PARCELS" in Plat Book 39, Page 105 of record in the Recorder's Office, Franklin County, Ohio.

NOTES

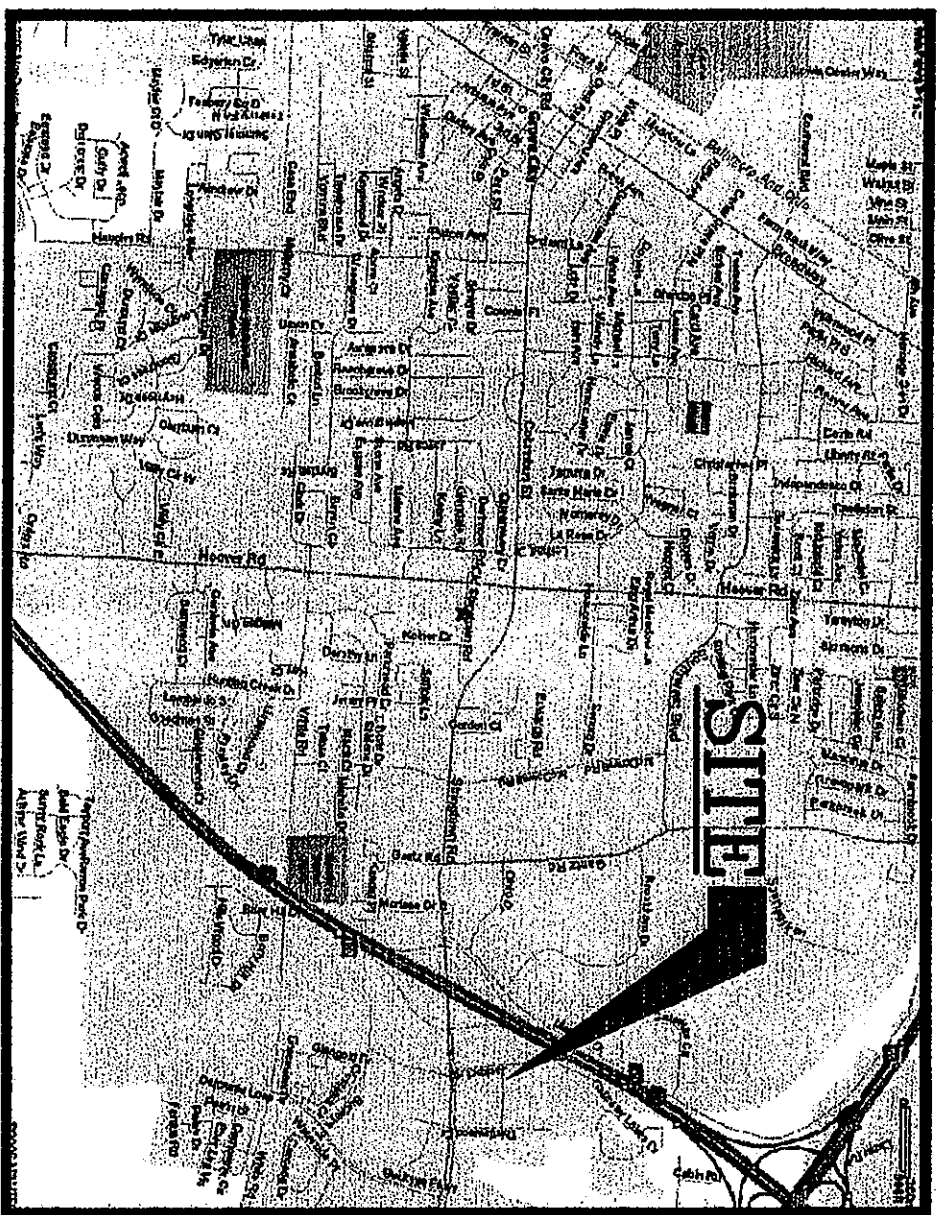
1. Bearings are for the determination of angles only. For the purpose of this survey a bearing of S01°43'10"W was used on the easterly line of the property as determined from a GPS observation using State of Ohio Department of Transportation CORS/VRS Network, it is Ohio South Zone (NAD83) NSRS 2007.
2. This drawing was prepared without benefit of an abstract of title and is subject to any state of facts that may be revealed by an examination of same.
3. Utility locations on this survey are reported from field locations or information provided by utility representatives. This does not mean there could not be other utilities in the area.
4. According to F.E.M.A. Flood Insurance Rate Map #3904C0318K, dated June 17, 2008, this property is in Zone X, areas determined to be outside 500 year flood plain.
5. Iron pins set (I.P.S.) are 5/8" rebar, 30" long with yellow plastic caps stamped "SITE ENG INC".
6. Property is Zoned: PUD-C (Planned Unit Development-Commercial)



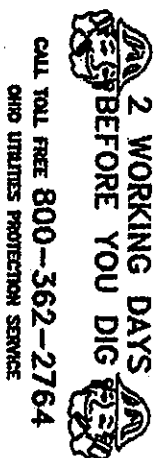
BENCH MARKS (1988 DATUM)

SOURCE B.M. ~ ESTABLISHED USING TOPCON GPS EQUIPMENT AND OHIO DEPARTMENT OF TRANSPORTATION CORS/VRS NETWORK.

B.M. 1 ~ TOP OF CASTING ON SANITARY MANHOLE AT THE N.E. CORNER OF SITE, 55' S. OF CENTERLINE OF KILDEER DR. AND 369' E. OF JACKPOT RD. ELEV. = 775.08



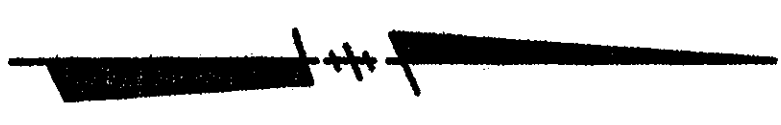
LOCATION MAP
NO SCALE



LEGEND

- San. ~ Sanitary Sewer
- St. ~ Storm Sewer
- W ~ Water Main
- G ~ Gas Line
- U/C ~ Underground Cables
- O/L ~ Overhead Lines
- Manhole
- Storm Inlet
- Fire Hydrant
- Utility Pole
- Guy Wire
- Fence
- Sign
- Valve Box
- Gas Line Marker
- Telephone Closure
- Iron Pin Set
- Iron Pin Found
- Record, Deed Call
- Measured this survey

N



Putt-N-Play
(under construction)

Robarco, Inc.
8,894 Ac. Ortg.
D.B. 3514, PG. 362

Nanubhai Patel and Manu Patel
1.212 Ac.
O.R. 22973 E13
Par. No. 040-008161

1.212 ACRES BY SURVEY

KILDEER DRIVE (50')

La Quinta Inn

The City of Grove City, Ohio
0.378 Ac.
O.R. 24361 A20

The City of Grove City, Ohio
1.581 Ac.
Inst #200209060221714

JACKPOT ROAD (60')

P.B. 39, PG. 105

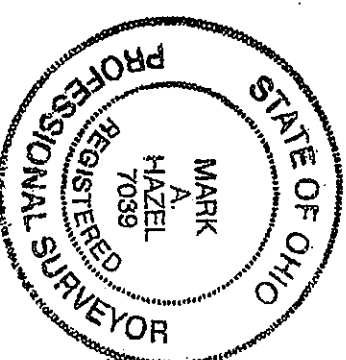
Best Western Motel

Natraj Corporation
2,000 Ac.
O.R. 34186 G01

Carolyn Eselgroth, Trustee
1,890 Ac.
Inst #200808270130819

SITE ENGINEERING, INC.

By Mark A. Hazel
Professional Surveyor No. 7039



CANDLEWOOD SUITES

GROVE CITY, OHIO

ALTA SURVEY

SITE ENGINEERING
Incorporated
Civil Engineers & Surveyors

7453 East Main Street
Reynoldsburg, OH 43068
Phone: (614) 759-9900
Fax: (614) 759-9902
eMail: siteeng@ameritech.net

REV:	DATE:	DESCRIPTION:	BY:

DATE: JAN 09

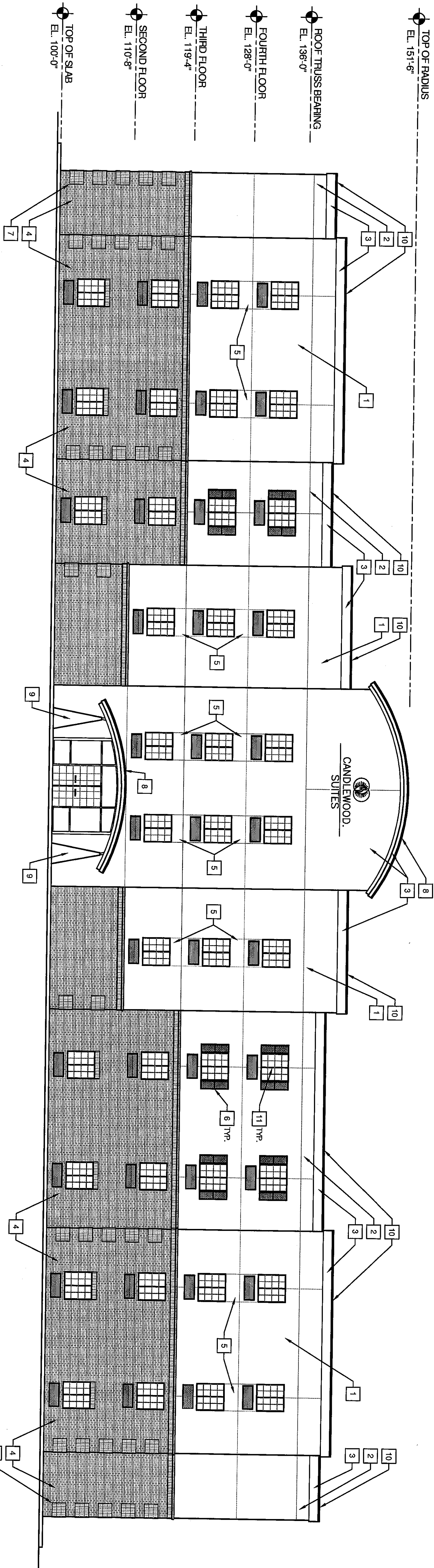
SCALE: 1" = 20'

DRAWN BY: S.E.L.

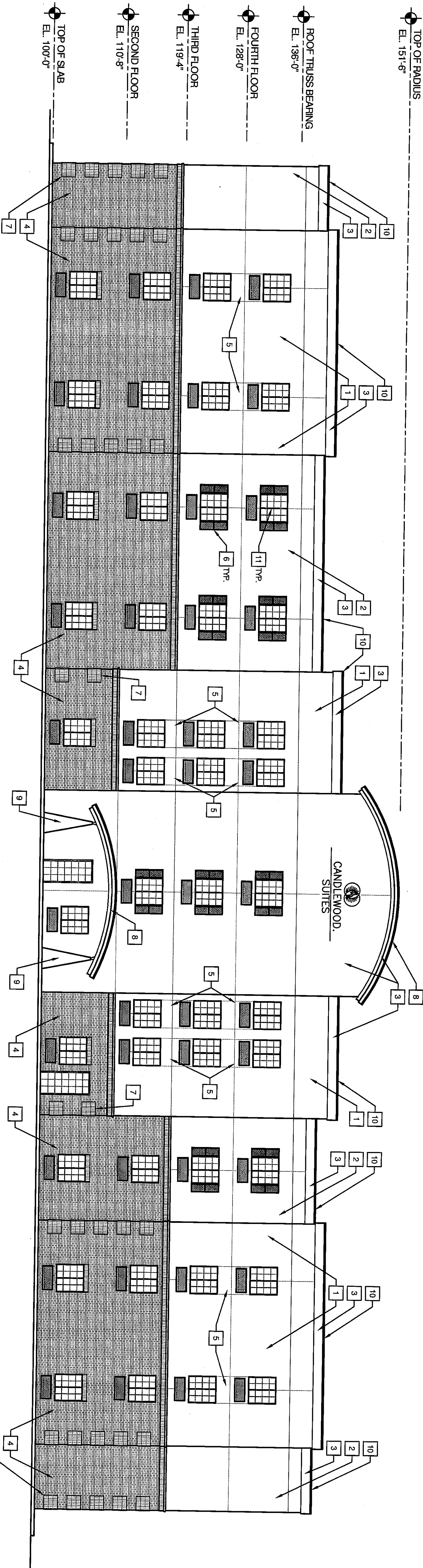
CHECKED BY: M.A.H.

JOB NO.: 3485

SHEET: 1/1



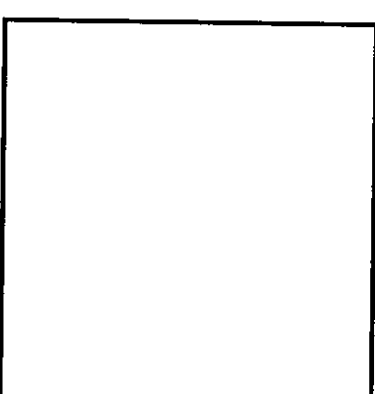
A FRONT ELEVATION
A2.1 1/8"=1'-0"



B REAR ELEVATION
A2.1 1/8"=1'-0"

SYMBOL	MATERIAL	MANUFACTURER	COLOR	FINISH TEXTURE
1	EXTERIOR INSULATED FINISH SYSTEM	BENJAMIN MOORE	WHITE SAND (OC-10)	SAND
2	EXTERIOR INSULATED FINISH SYSTEM	BENJAMIN MOORE	LIGHT GRAY (2148-40)	SAND
3	EXTERIOR INSULATED FINISH SYSTEM	BENJAMIN MOORE	WHITE HERON (OC-57)	SAND
4	BRICK	BELDEN	HARVEST BLEND	MATTE
5	EXTERIOR INSULATED FINISH SYSTEM	BENJAMIN MOORE	VALLEY FORGE TAN (AC-35)	SAND
6	WINDOW SHUTTERS	BENJAMIN MOORE	EMERALD POLE (7128-30)	MATTE
7	BRICK QUOINS	BELDEN	MEADOWLAND	SAND
8	STANDING SEAM METAL ROOF	DIMENSIONAL METALS, INC.	WHITE	MATTE
9	CANOPY COLUMNS	DIMENSIONAL METALS, INC.	WHITE	MATTE
10	METAL PARAPET COPING	DIMENSIONAL METALS, INC.	WHITE	MATTE
11	WINDOW FRAMES & MULLIONS	KAMMER	CLEAR/ANODIZED	SMOOTH

REV.	DATE	DESCRIPTION

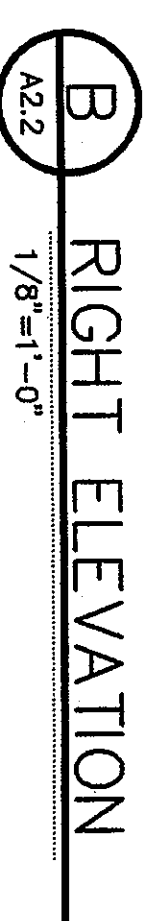
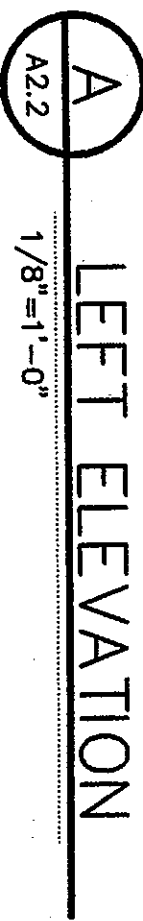
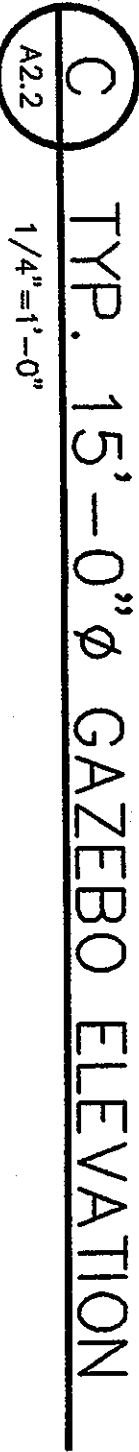


CANDLEWOOD SUITES
3962 JACKPOT ROAD
GROVE CITY, OH 43123
EXTERIOR ELEVATIONS

DESIGNED	DATE
A.B.	04.13.09
DRAWN	
A.B.	04.13.09
CHECKED	
L.J.	04.16.09

JOB NO.
2009002.01

A2.1



SYMBOL	MATERIAL	MANUFACTURER	COLOR	FINISH TEXTURE
1	EXTERIOR INSULATED FINISH SYSTEM	BENJAMIN MOORE	WHITE SAND (OC-10)	SAND
2	EXTERIOR INSULATED FINISH SYSTEM	BENJAMIN MOORE	LIGHT GRAY (2146-40)	SAND
3	EXTERIOR INSULATED FINISH SYSTEM	BENJAMIN MOORE	WHITE HERON (OC-57)	SAND
4	BRICK	BELDEN	HARVEST BLEND	MATTE
5	EXTERIOR INSULATED FINISH SYSTEM	BENJAMIN MOORE	VALLEY FORGE TAN (OC-85)	SAND
6	WINDOW SHUTTERS	BENJAMIN MOORE	EVENING DOVE (2128-50)	SAND
7	BRICK COLUONS	BELDEN	MEADOW BLEND	SAND
8	STANDING SEAM METAL ROOF	DIMENSIONAL METALS, INC.	WHITE	MATTE
9	CANOPY COLUMNS	DIMENSIONAL METALS, INC.	WHITE	MATTE
10	METAL PARAPET COPPING	DIMENSIONAL METALS, INC.	WHITE	MATTE
11	WINDOW FRAMES & MULLIONS	KAMMEER	CLEAR ANODIZED	SMOOTH

REV.	DATE	DESCRIPTION

CANDLEWOOD SUITES
3962 JACKPOT ROAD
GROVE CITY, OH 43123

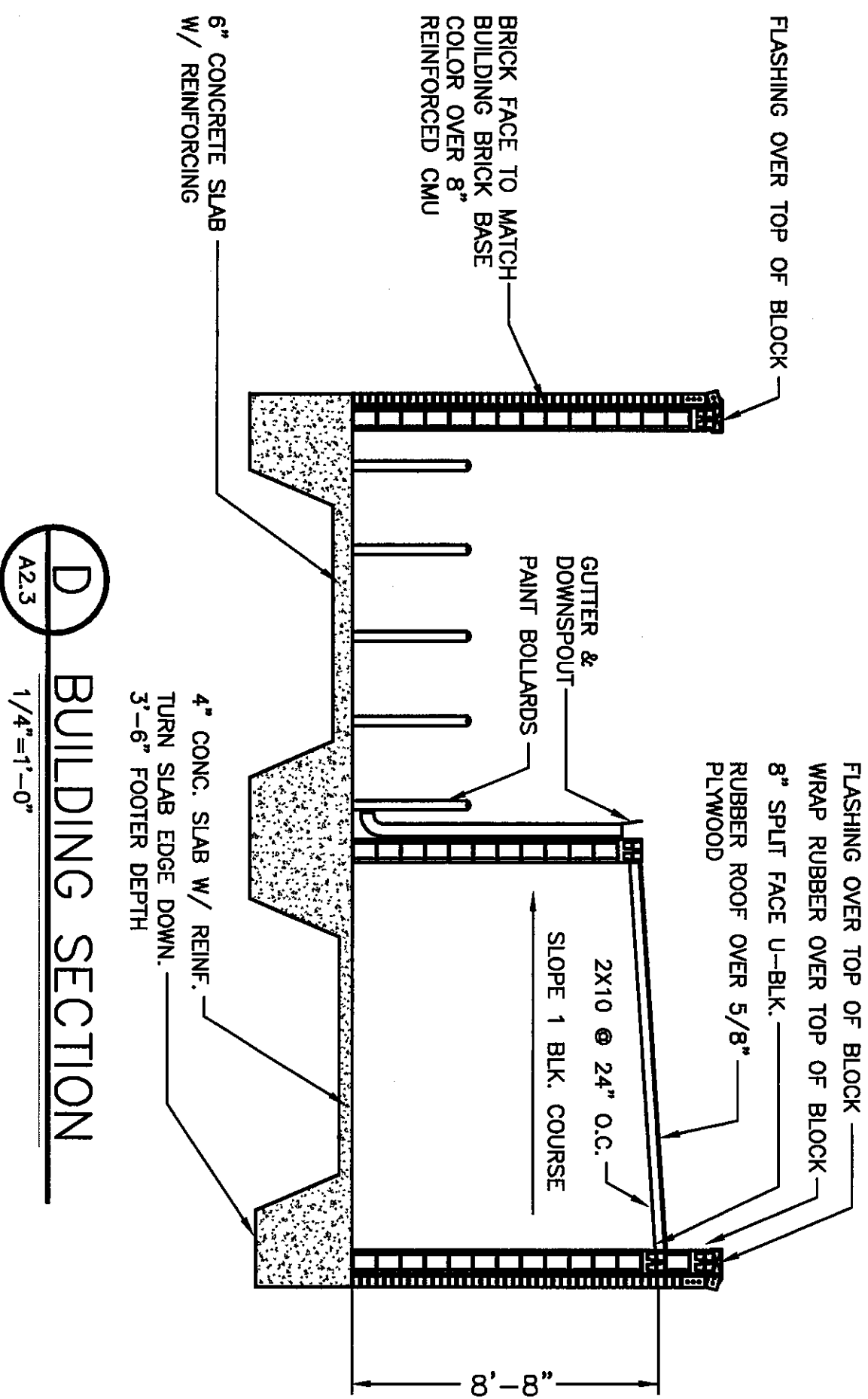
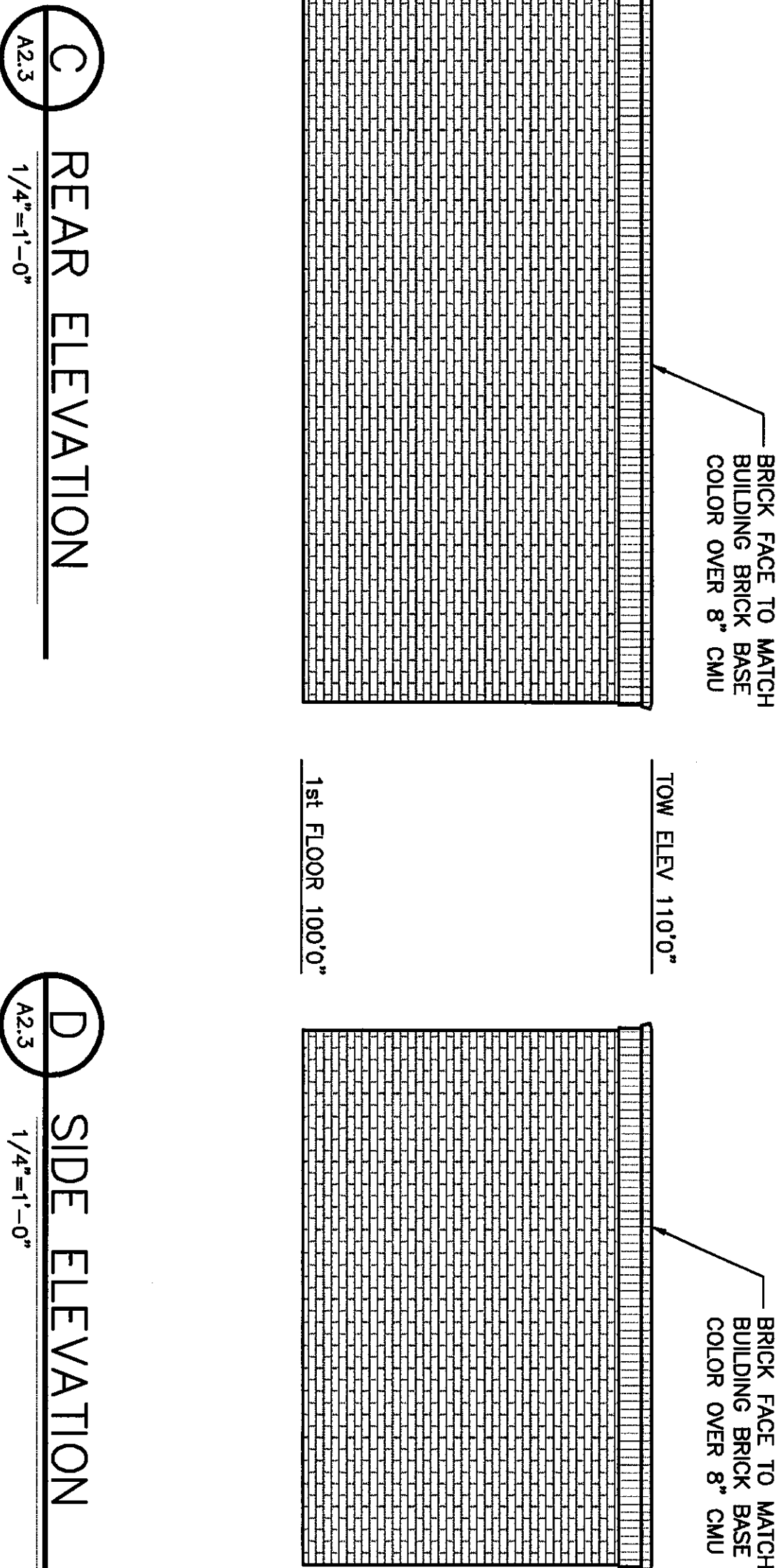
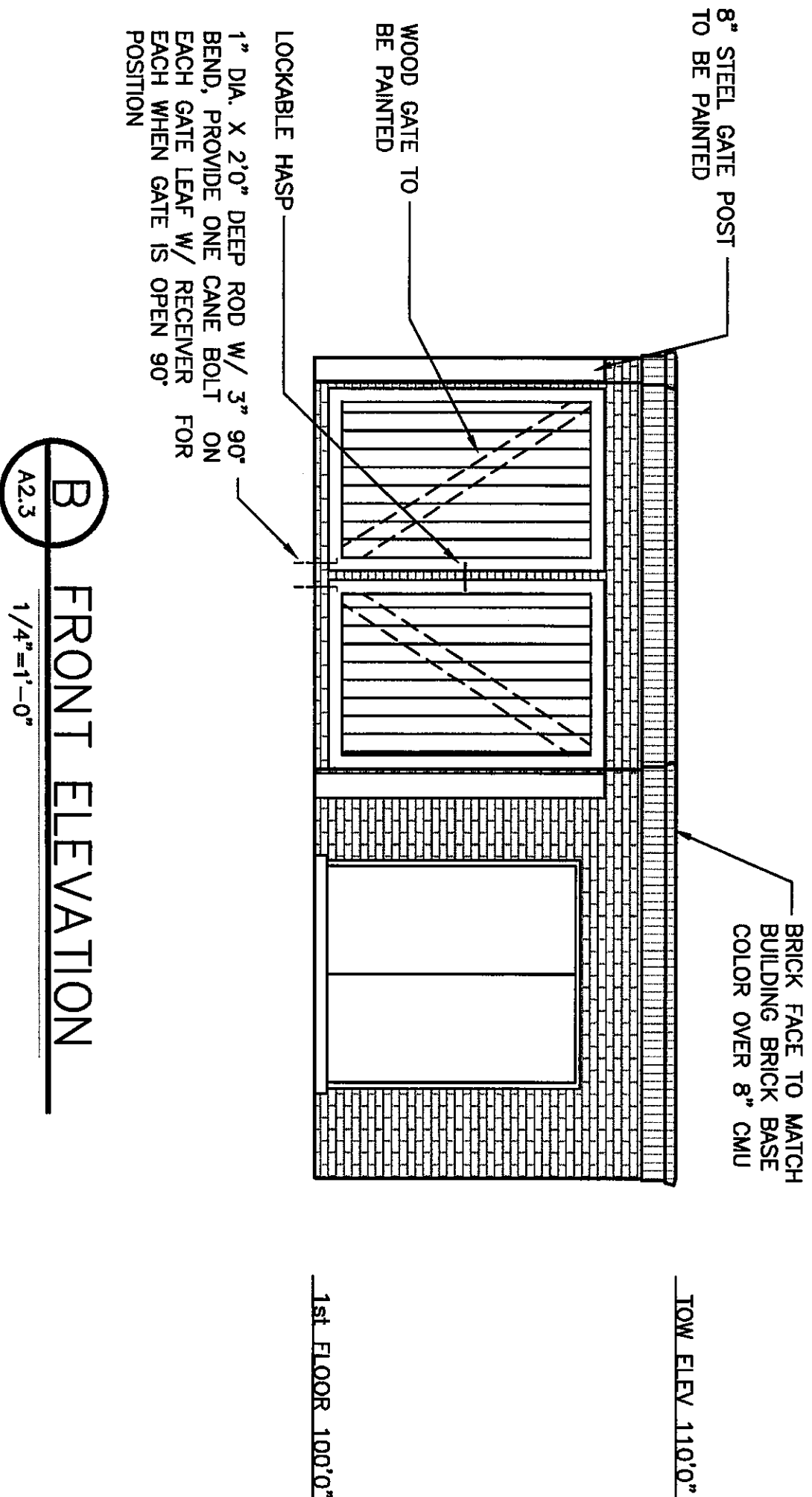
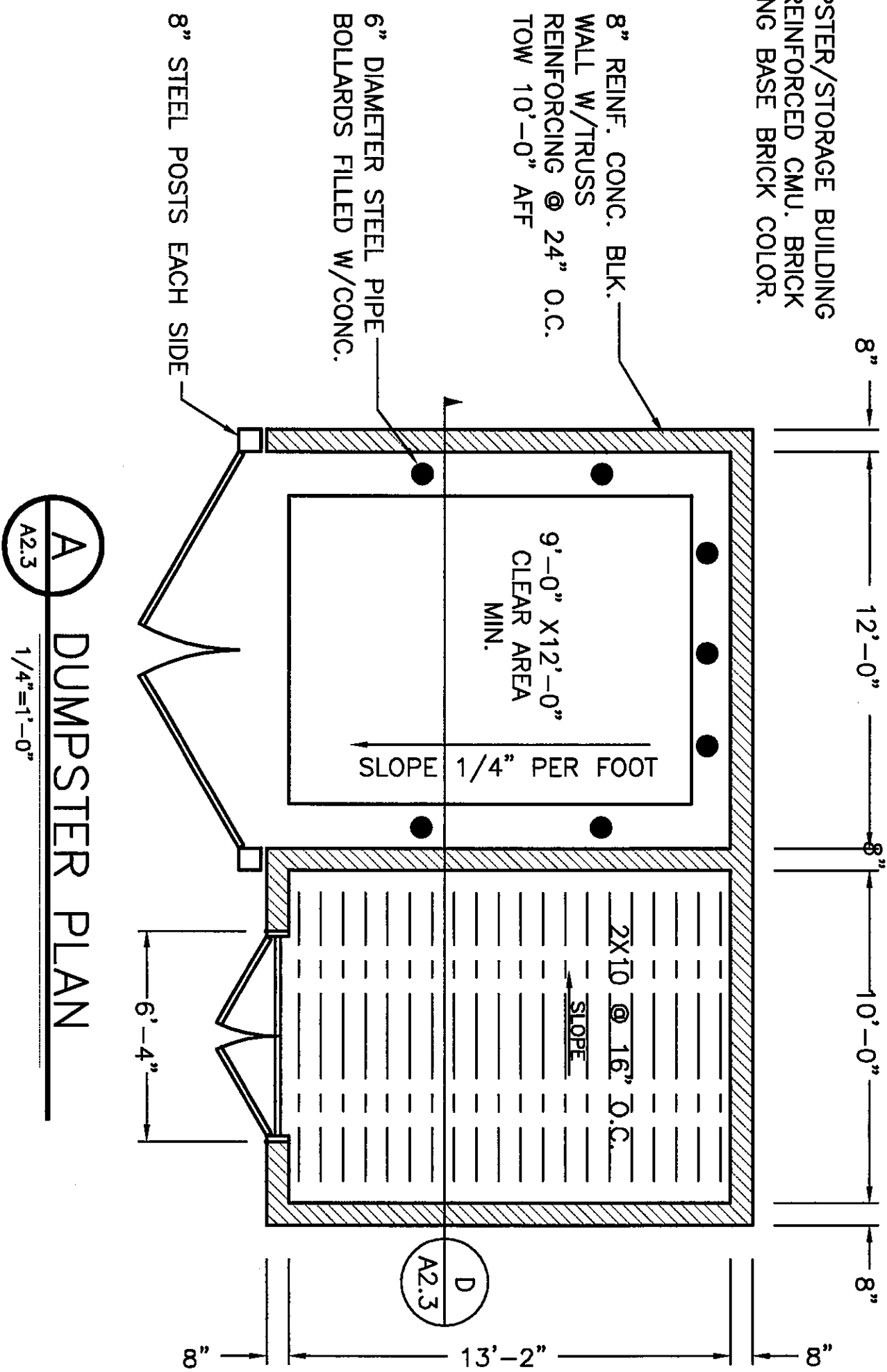
EXTERIOR ELEVATIONS

A22

	DATE
DESIGNED A.B.	04.13.09
DRAWN A.B.	04.13.09
CHECKED L.J.	04.16.09

JOB NO.
2009002.01

EXTERIOR FACE OF DUMPSTER/STORAGE BUILDING
TO BE BRICK OVER 8" REINFORCED CMU. BRICK
COLOR TO MATCH BUILDING BASE BRICK COLOR.



REV.	DATE	DESCRIPTION

CANDLEWOOD SUITES
3962 JACKPOT ROAD
GROVE CITY, OH 43123

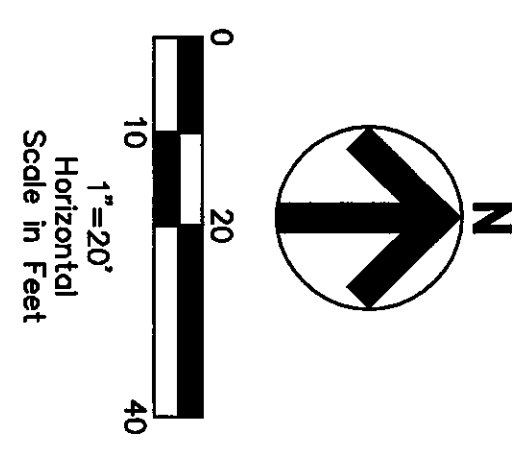
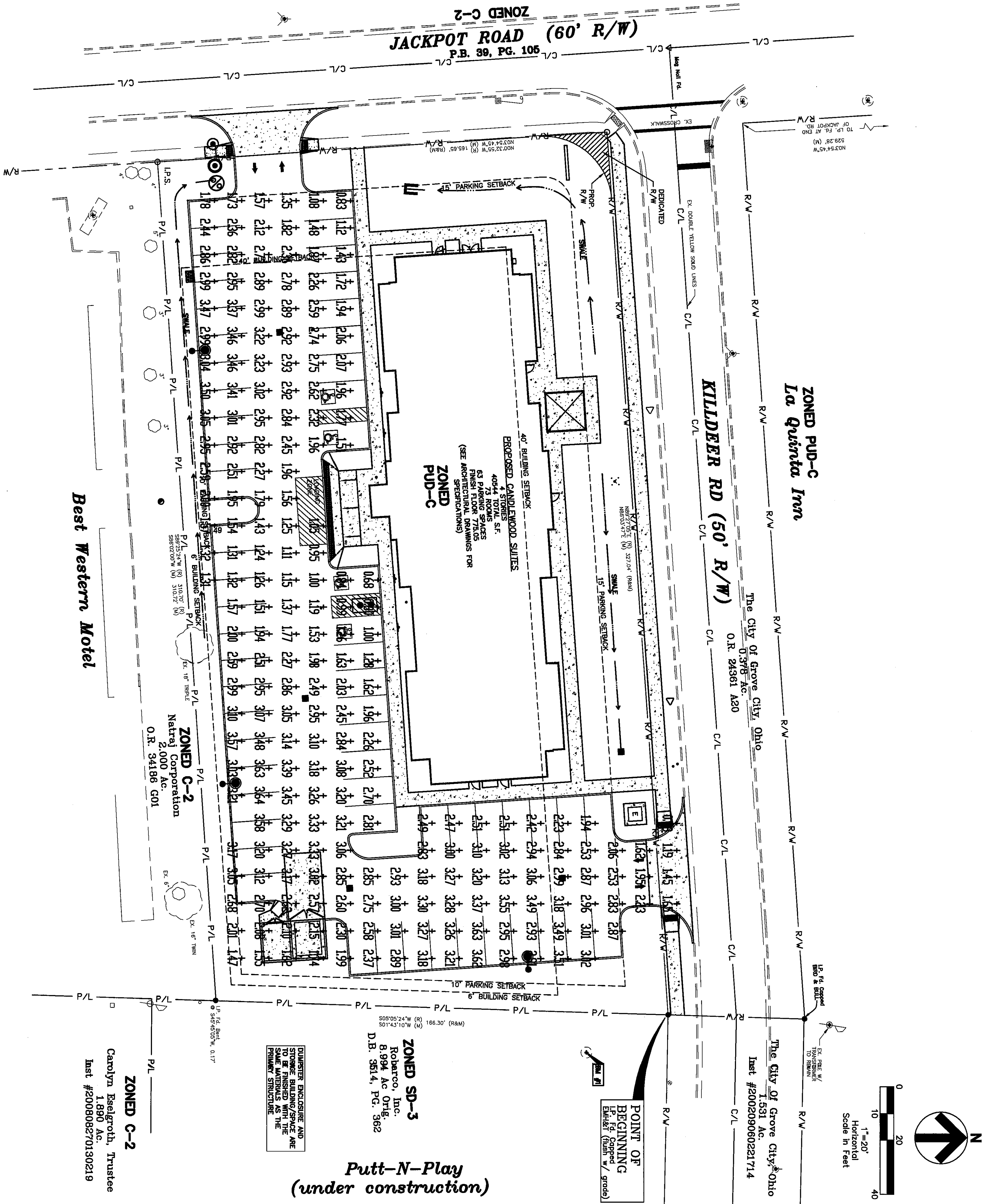
DUMPSTER ENCLOSURE
AND STORAGE SHED DETAILS

DESIGNED	DATE
A.B.	04.13.09
DRAWN	
A.B.	04.13.09
CHECKED	
L.J.	04.16.09

JOB NO.
2009002.01

A2.3

Technician: bharganar



DUMSTER ENCLOSURE AND STORAGE BUILDING/SPACE ARE TO BE FINISHED WITH THE SAME MATERIALS AS THE PRIMARY STRUCTURE

ZONED SD-3
Robarco, Inc.
8,994 Ac Orig.
D.B. 3614, PG. 362

Putt-N-Play
(under construction)

ZONED C-2
Carolyn Eselgroth, Trustee
1,890 Ac.
Inst. #200808270130219

ZONED C-2
Natraj Corporation
2,000 Ac. G01
O.R. 34186 G01

Best Western Motel

BENCHMARKS:

BENCHMARK #1 - TOP OF CASTING ON SANITARY MANHOLE AT THE N.E. CORNER OF SITE 55 S. OF CENTERLINE OF KILDEER DR. AND 368 E. OF JACKPOT RD.
ELEV. = 775.08 (1988 DATUM)

Underground Utilities	
	2 Working Days Before You Dig
	Call 800-362-2764 (Toll Free)
	Ohio Utilities Protection Service
	Non-members Must Be Called Directly
	Call 800-925-0988 (Toll Free)
	Oil & Gas Producers Utility Protection Service

PM-1

JOB NO.
2009002.01

DESIGNED
K.B.
3/27/09

DRAWN
A.S.
3/27/09

CHECKED

CANDLEWOOD SUITES
3962 JACKPOT ROAD
GROVE CITY, OH 43123

PHOTOMETRIC PLAN

REV.	DATE	DESCRIPTION
	3/27/09	1ST DEVELOPMENT PLAN SUBMITTAL
1	4/16/09	REVISED PER CITY OF GROVE CITY

QUALITY PACE SCOURING BLINDS & BLENDS, INC.

GPD ASSOCIATES

1801 Westwood Drive, Suite 110
Cincinnati, Ohio 45215
414-237-0271, Fax 414-237-0292

CANDLEWOOD SUITES



REV.	DATE	DESCRIPTION
1	3/27/09	1ST DEVELOPMENT PLAN SUBMITTAL
	4/16/09	REVISED PER CITY OF GROVE CITY

CANDLEWOOD SUITES
3962 JACKPOT ROAD
GROVE CITY, OH 43123

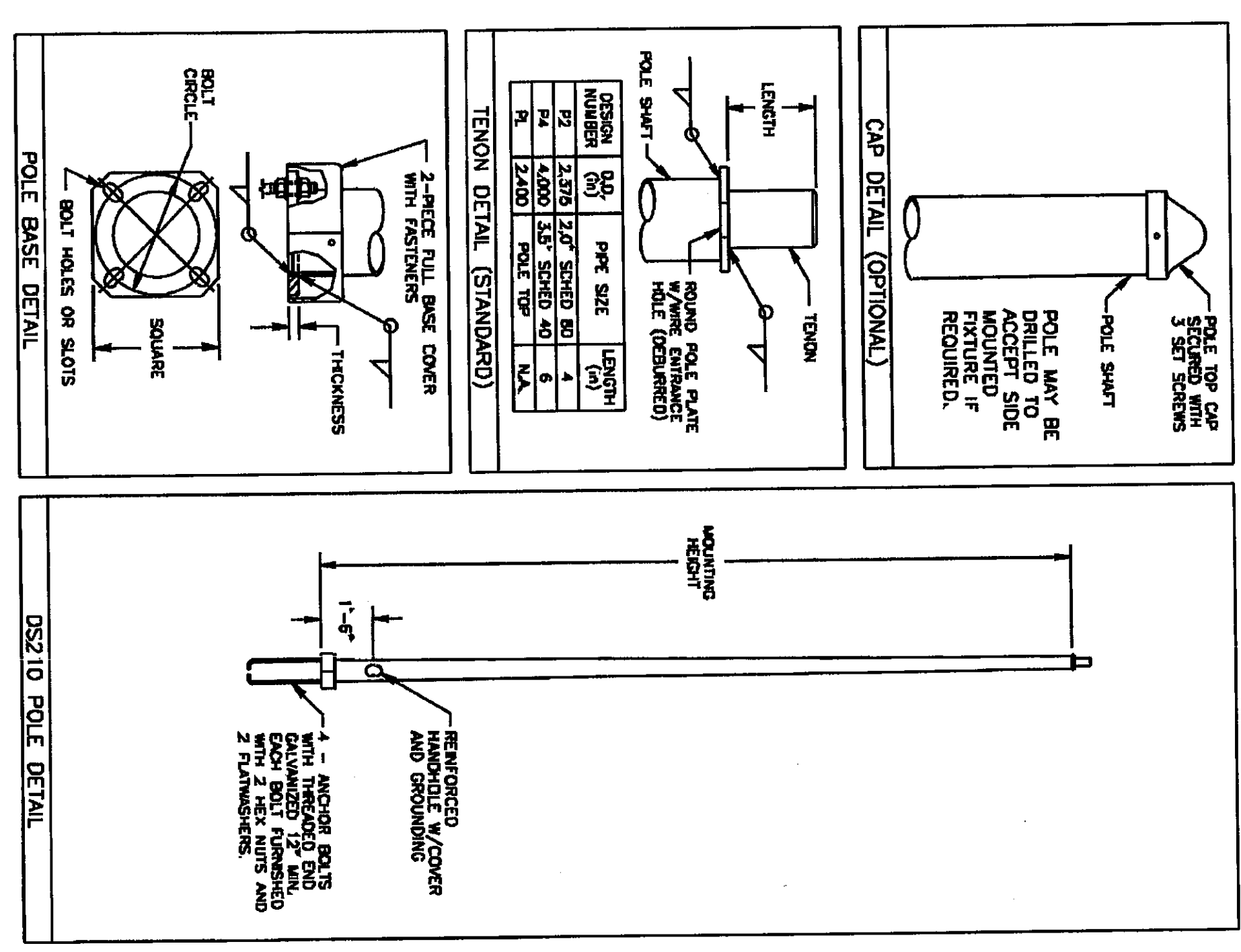
PHOTOMETRIC DETAILS

DATE	DESIGNED
9/27/09	K.B.
DATE	DRAWN
9/27/09	A.S.
DATE	CHECKED

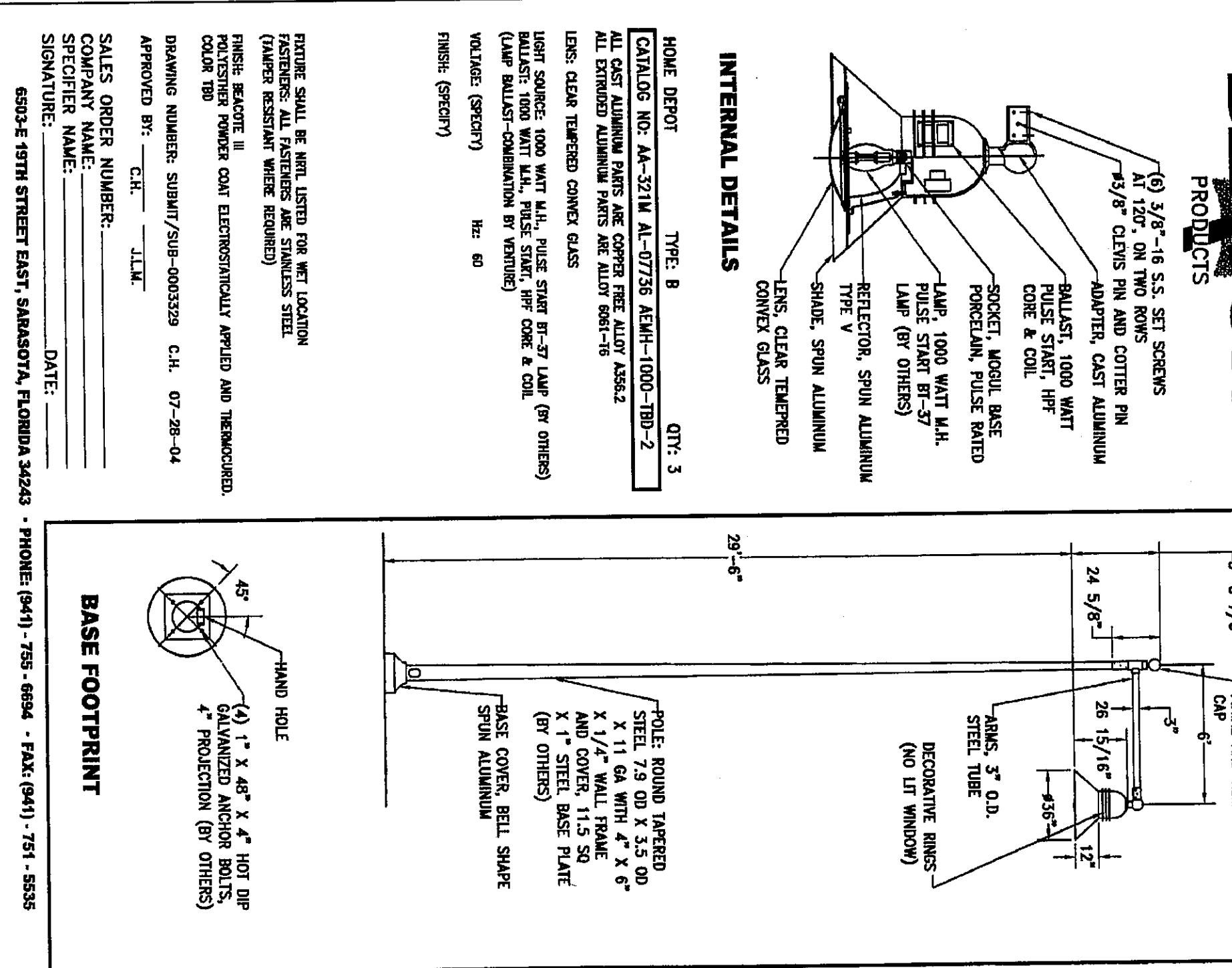
JOB NO.
2009002.01

PM-2

DS210 Round Tapered

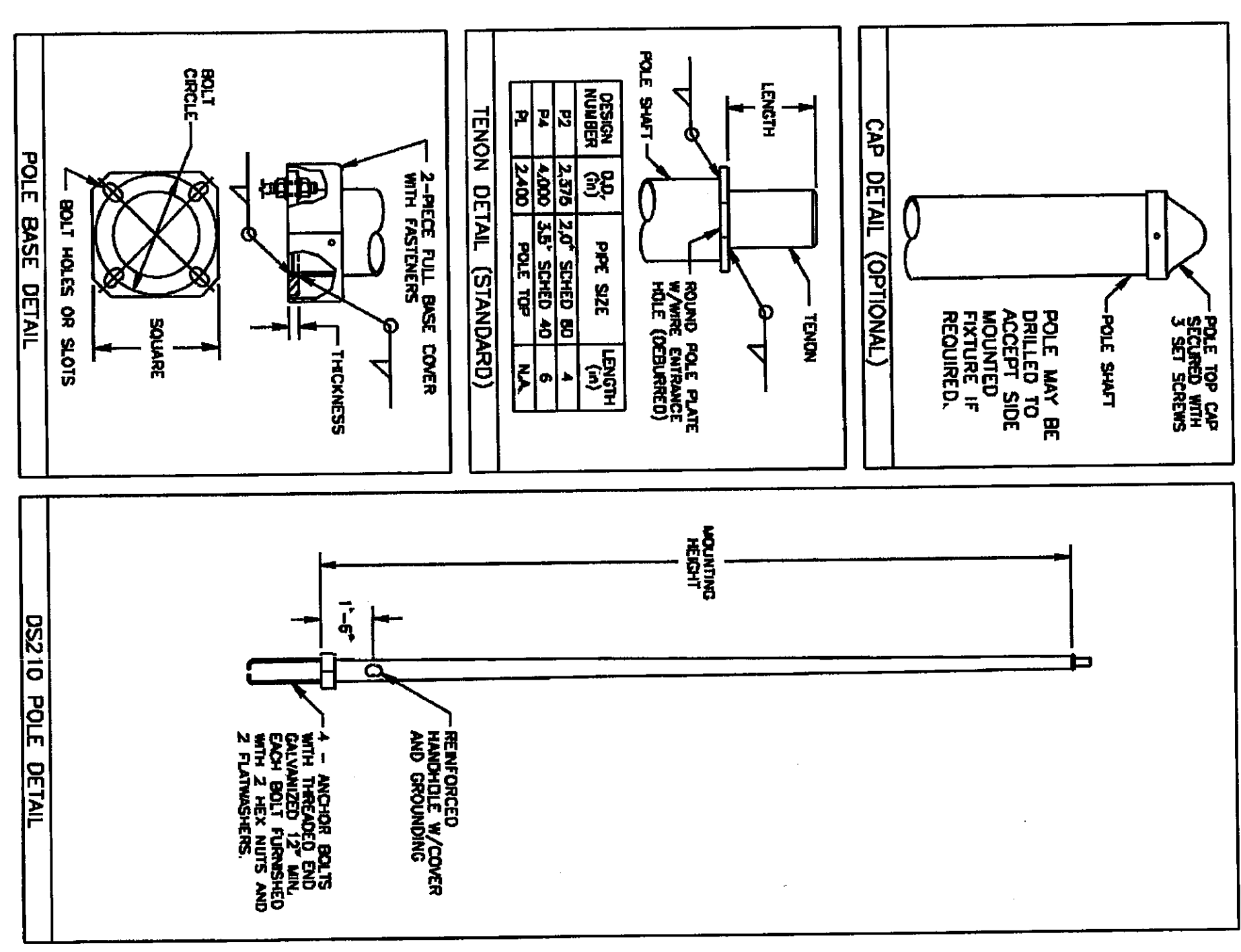


6

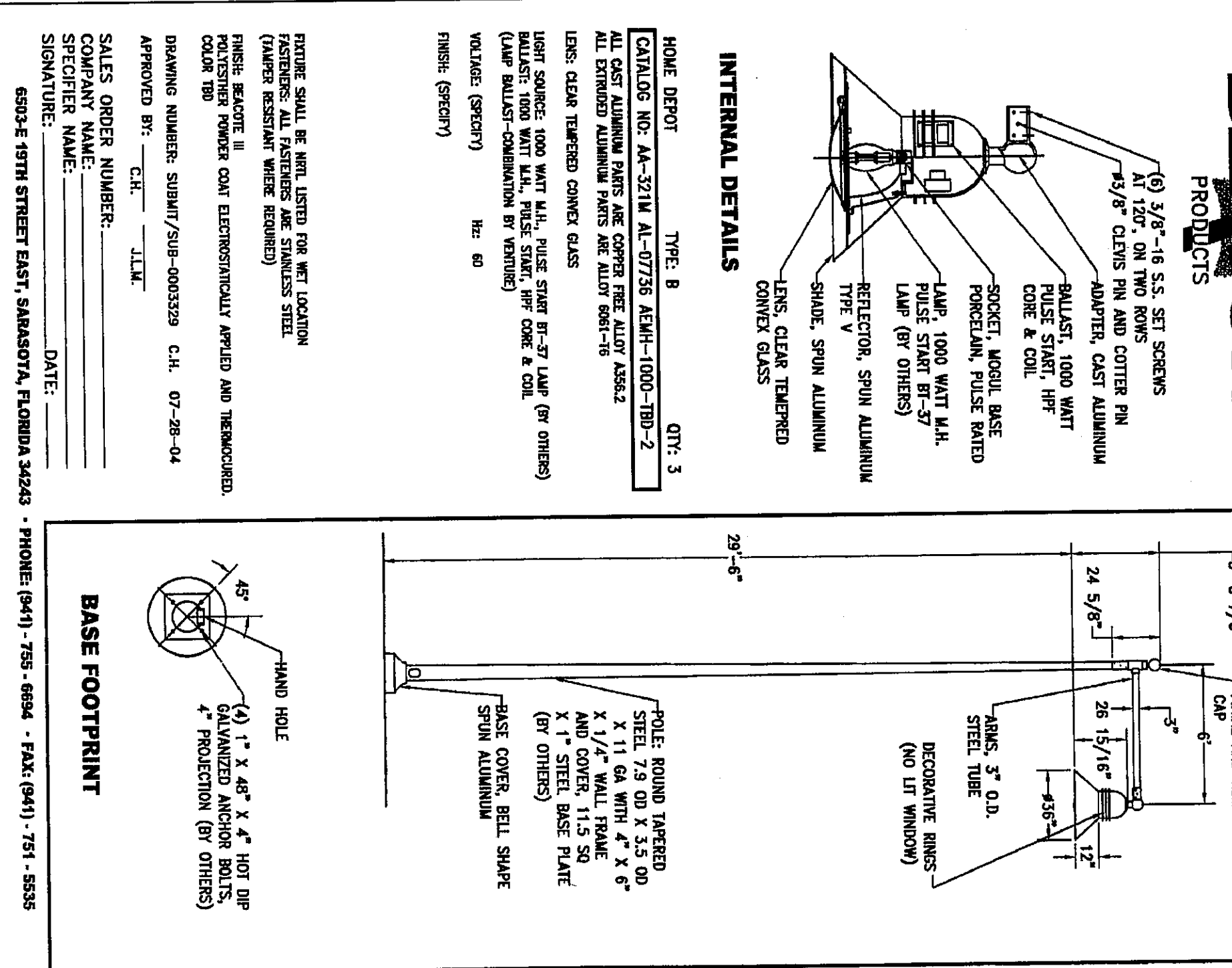


2

DS210 Round Tapered

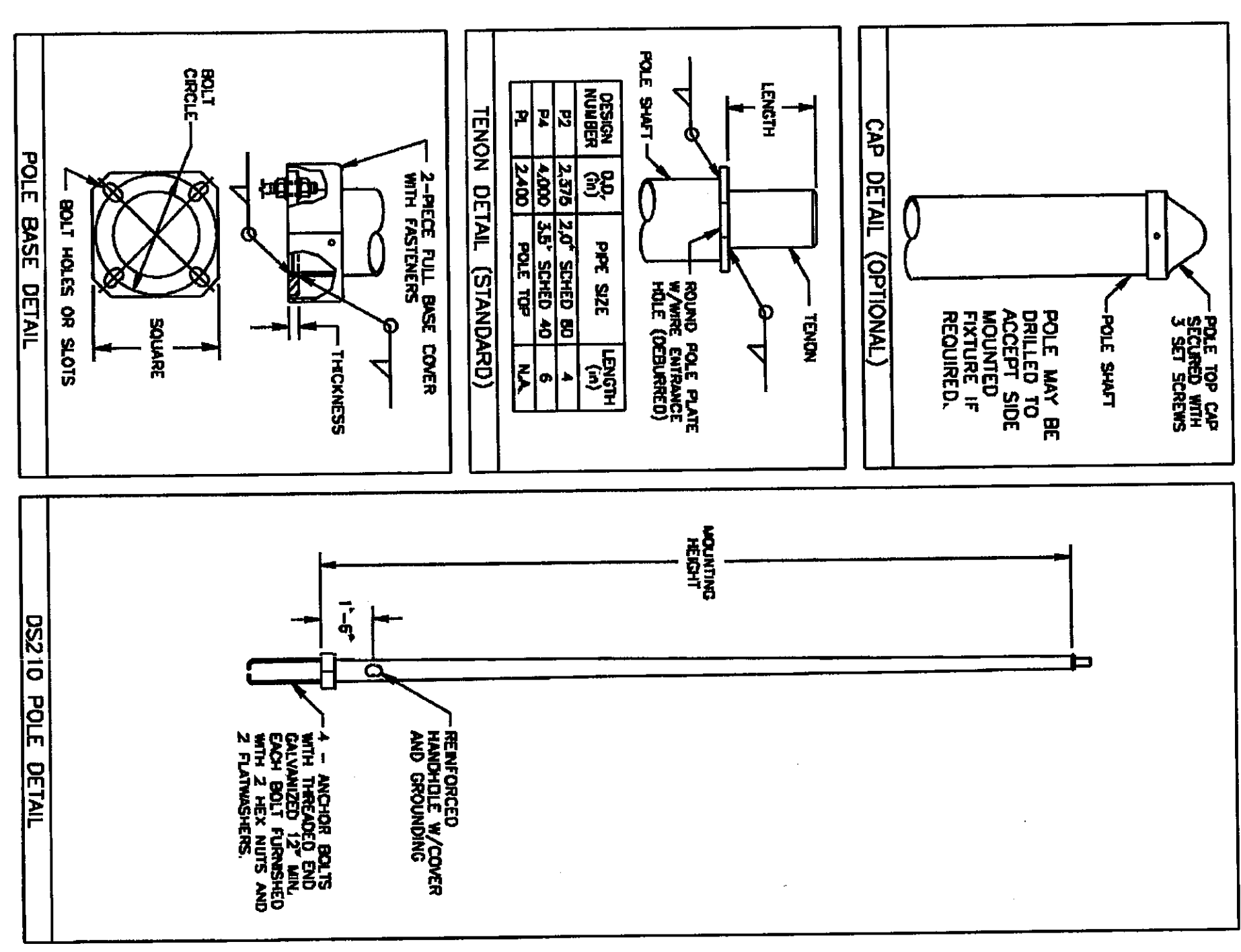


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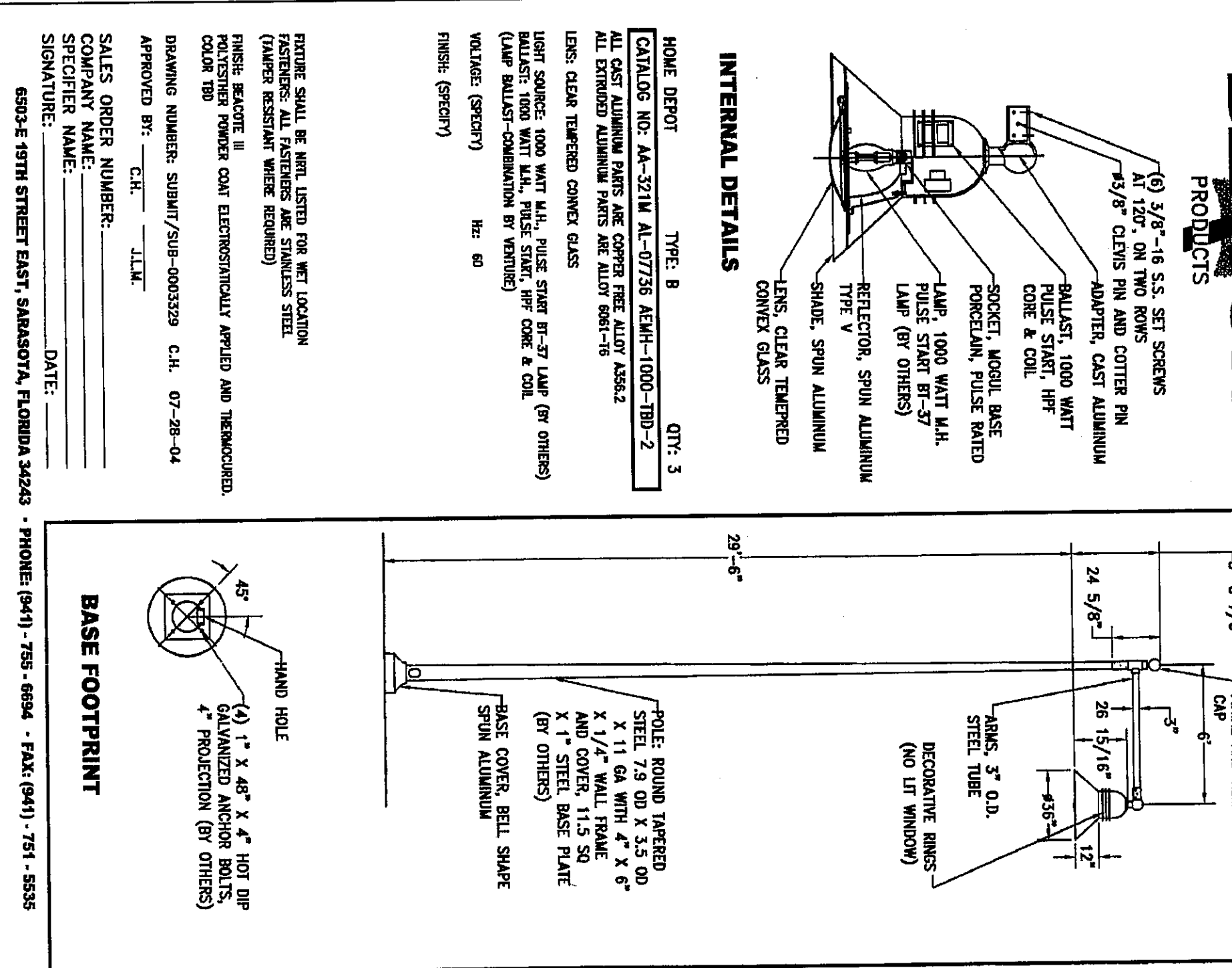


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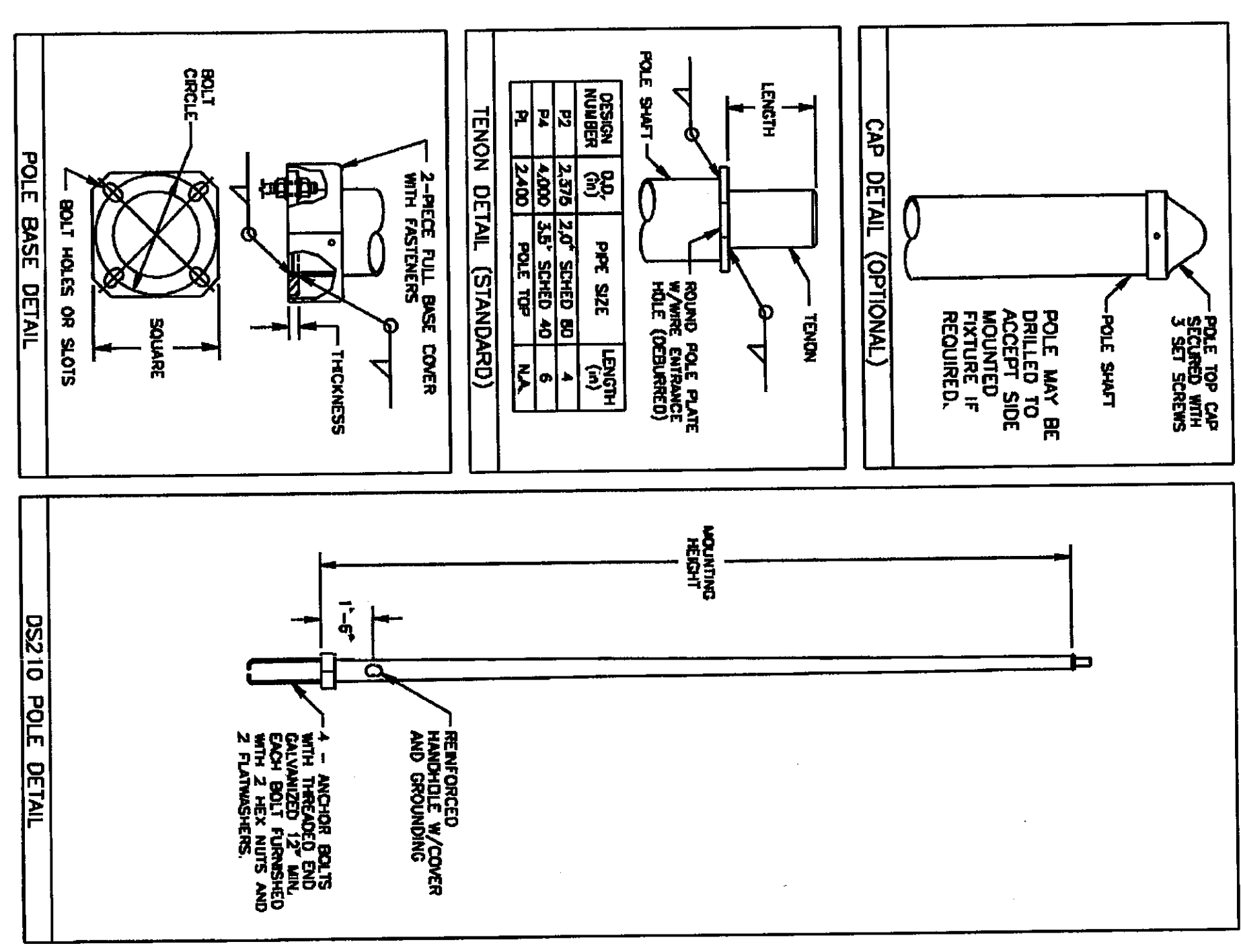


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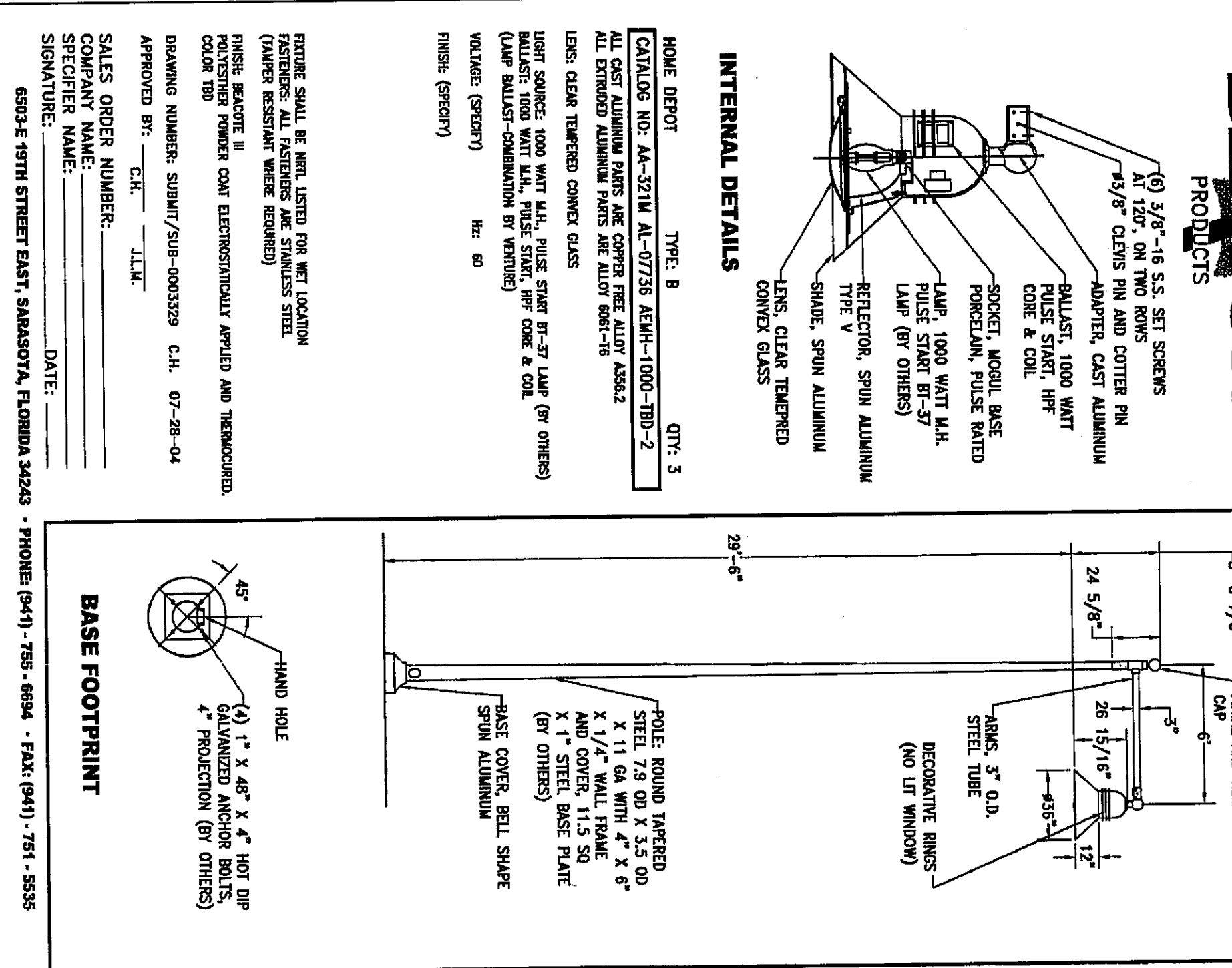


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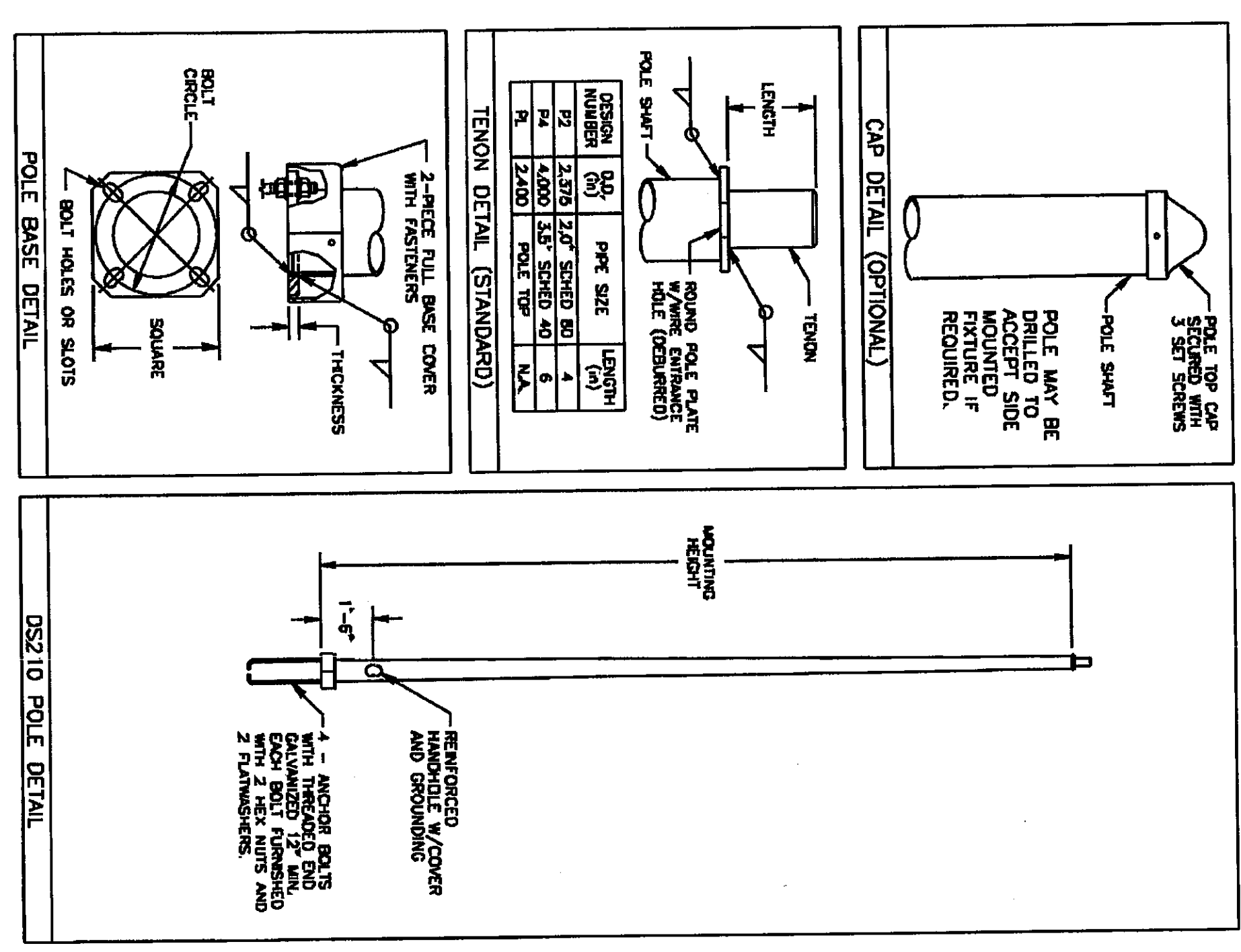


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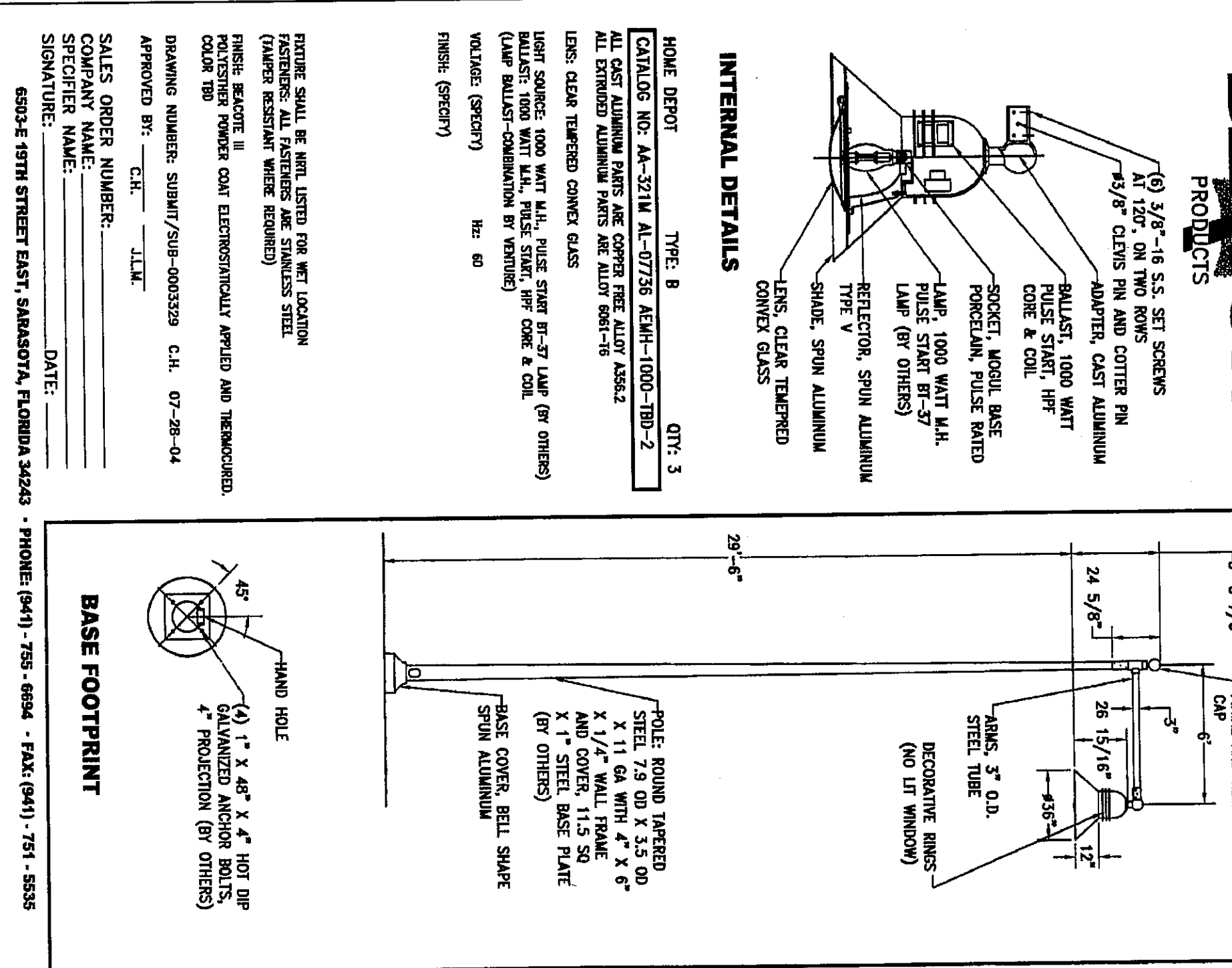


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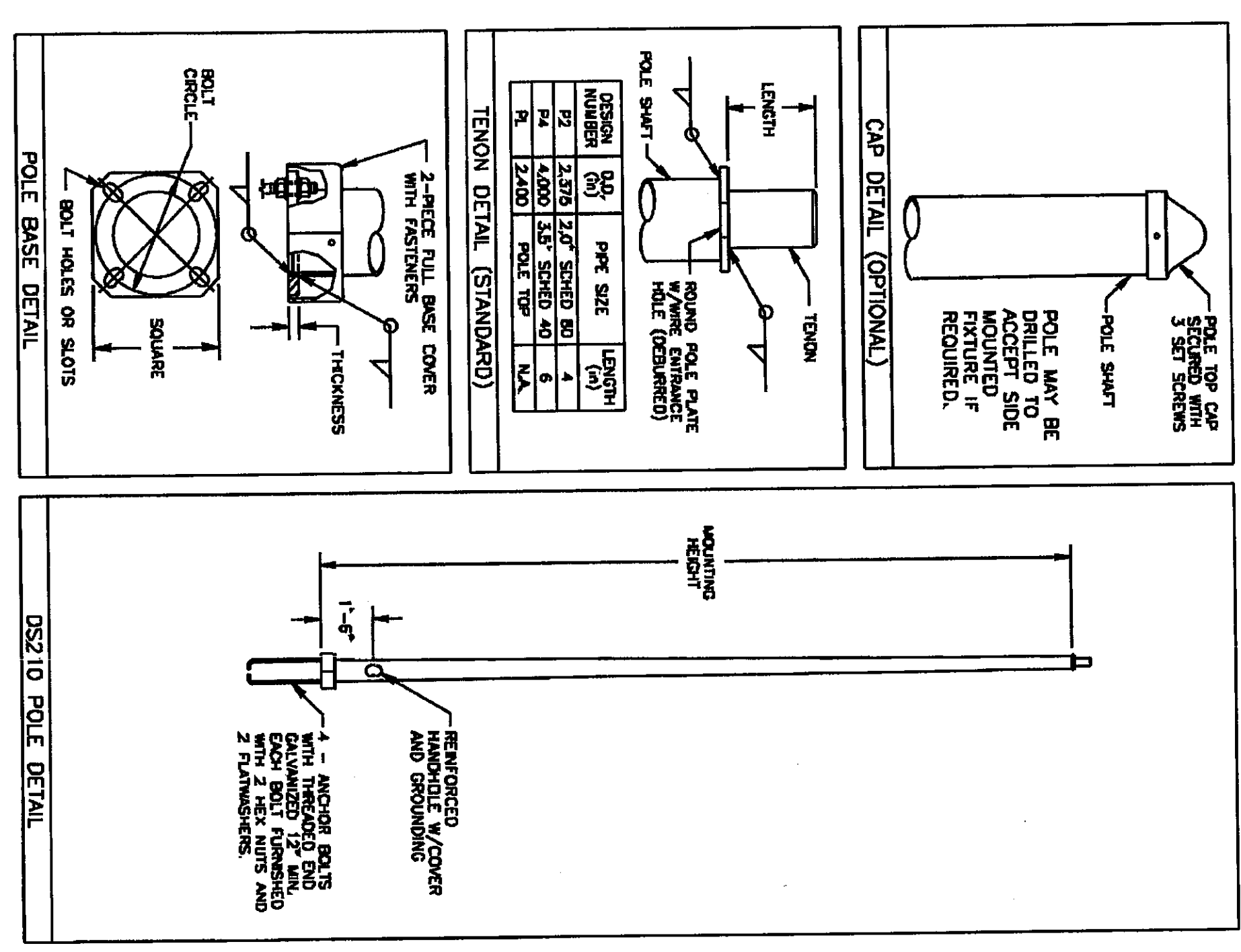


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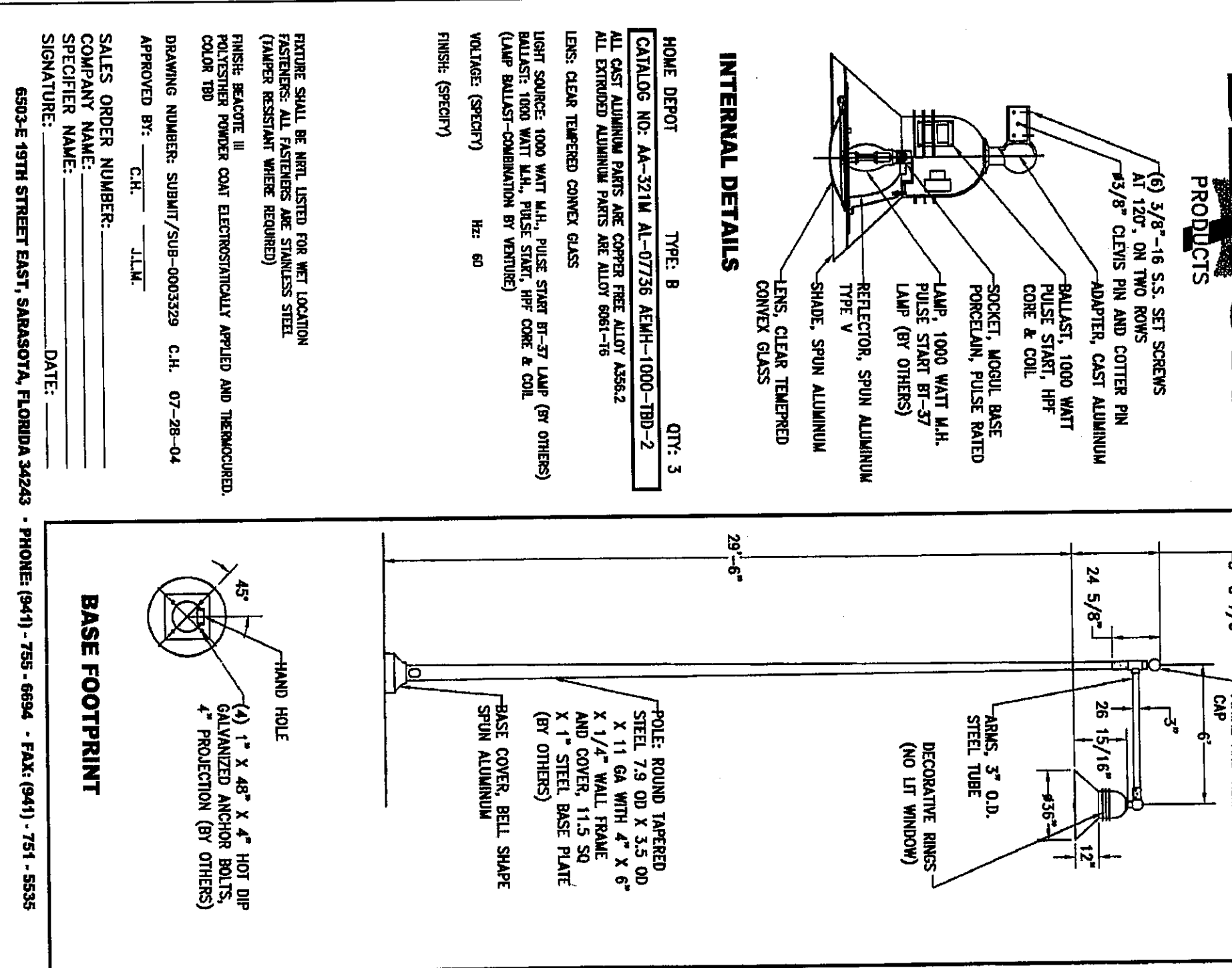


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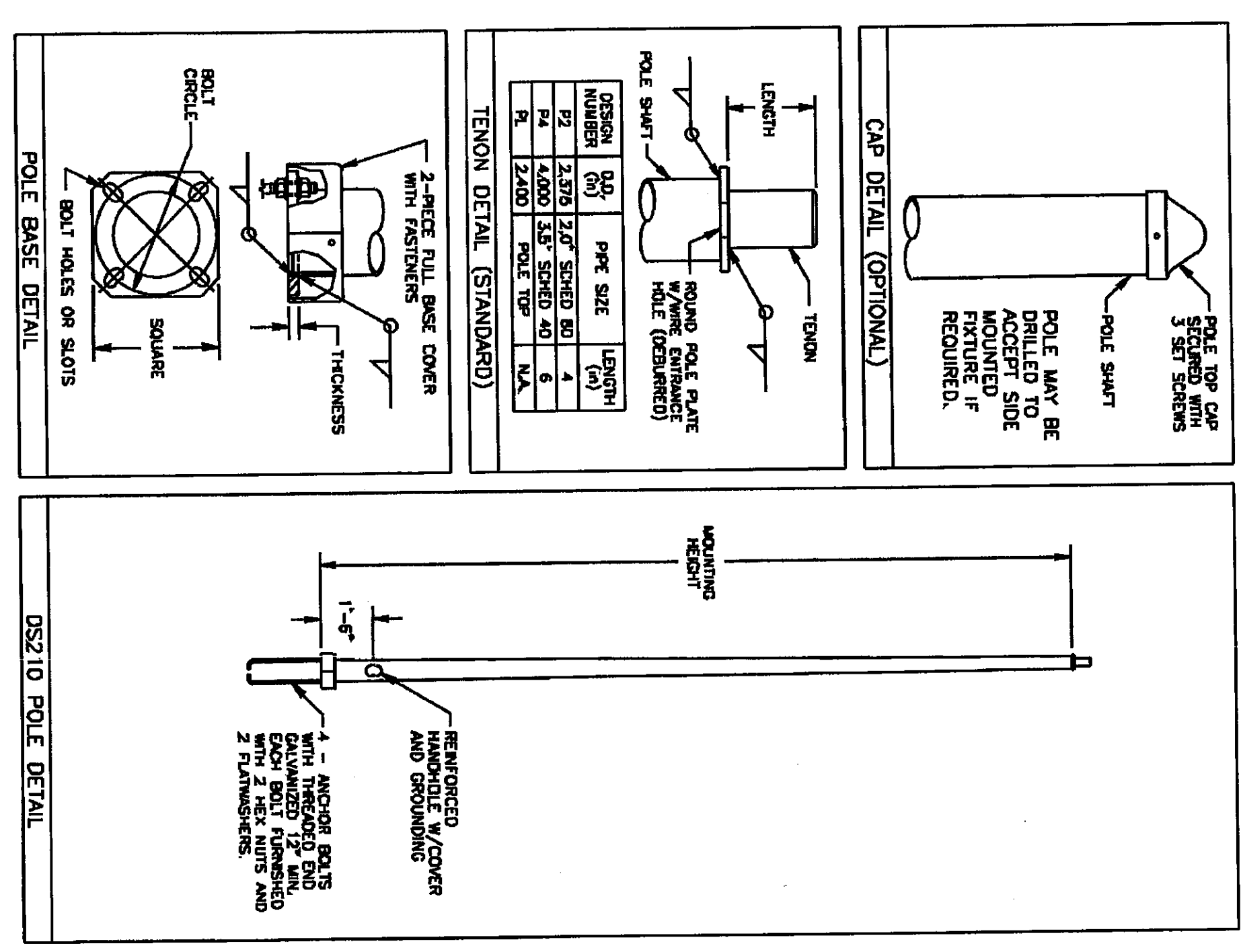


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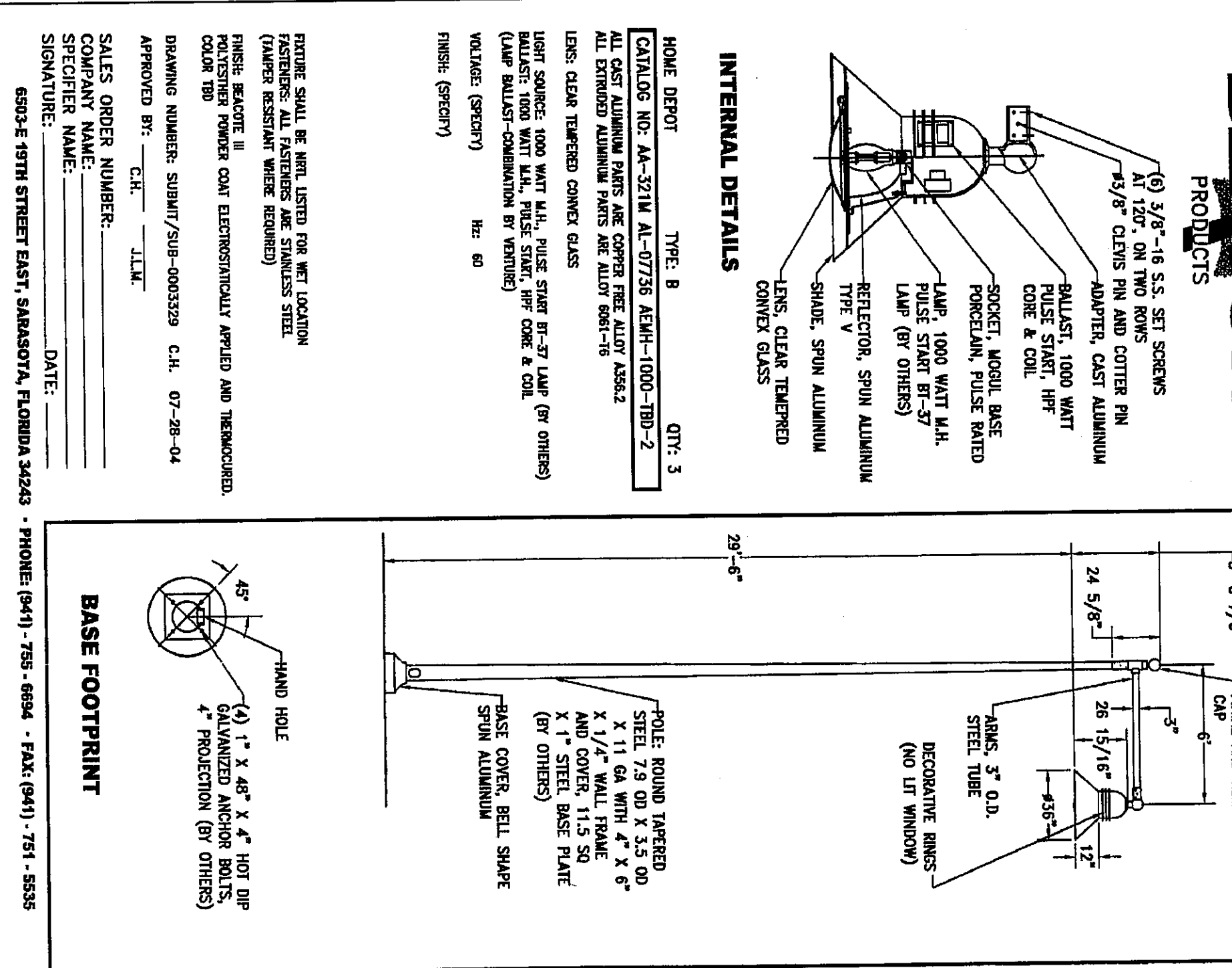


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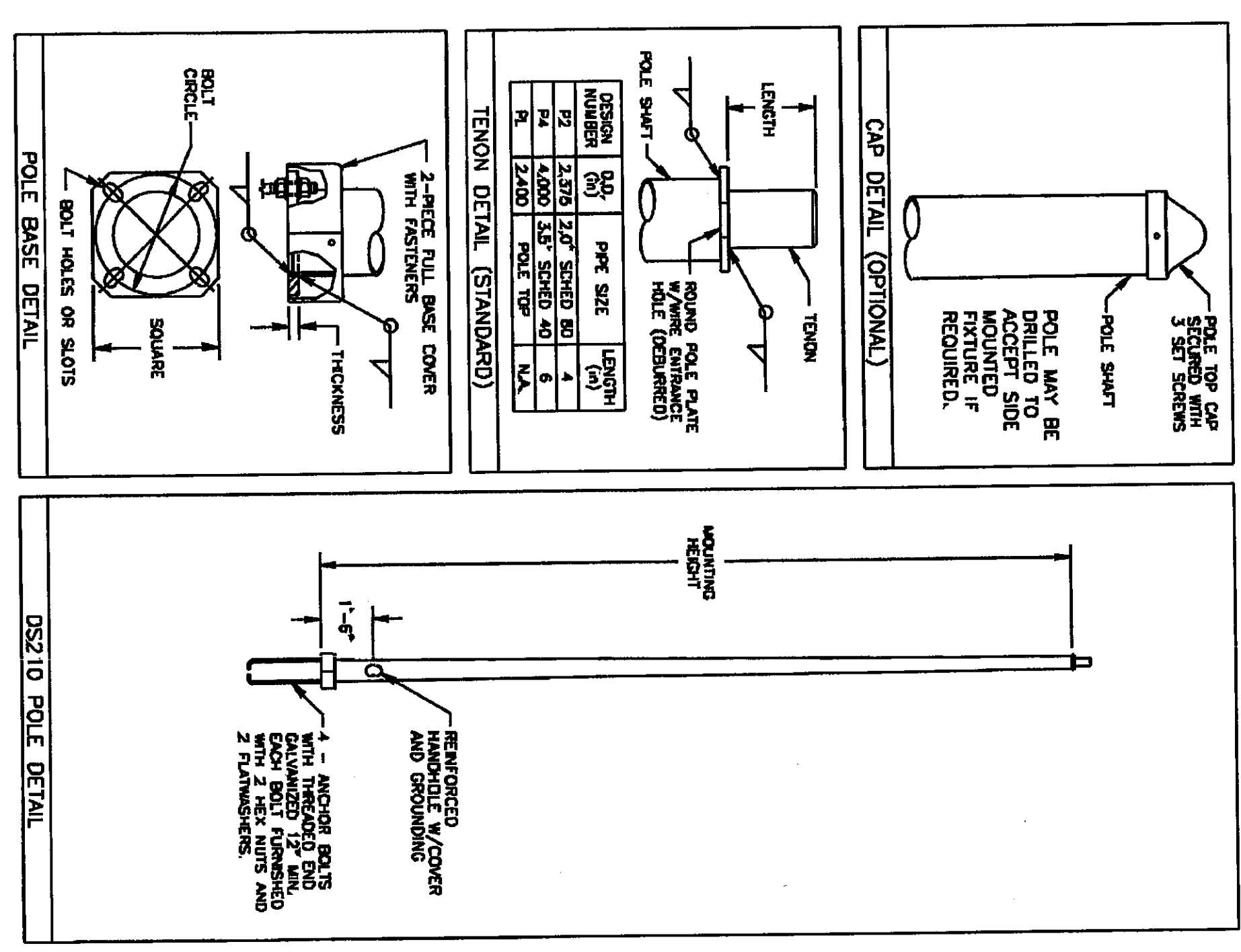


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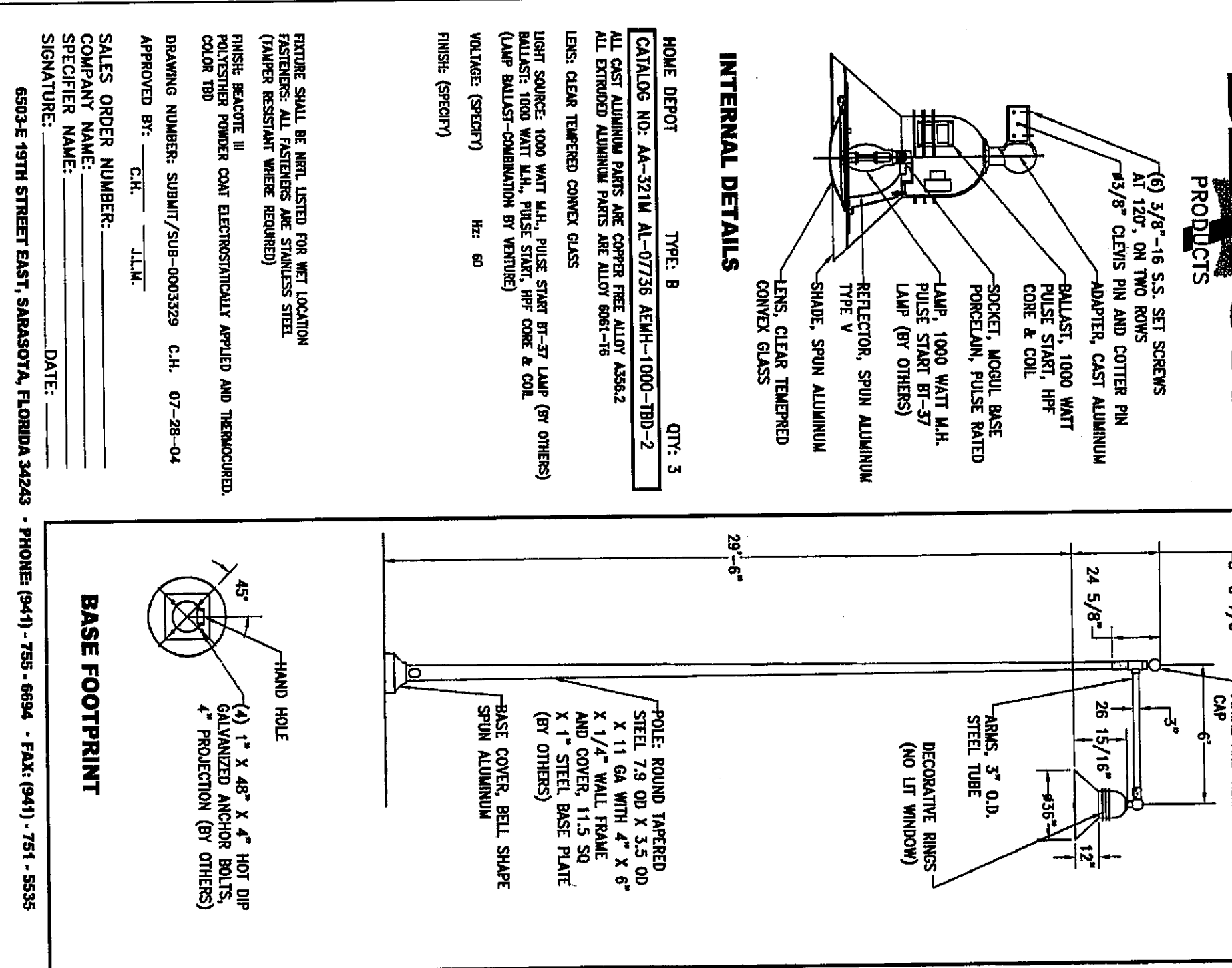


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DS210 Round Tapered

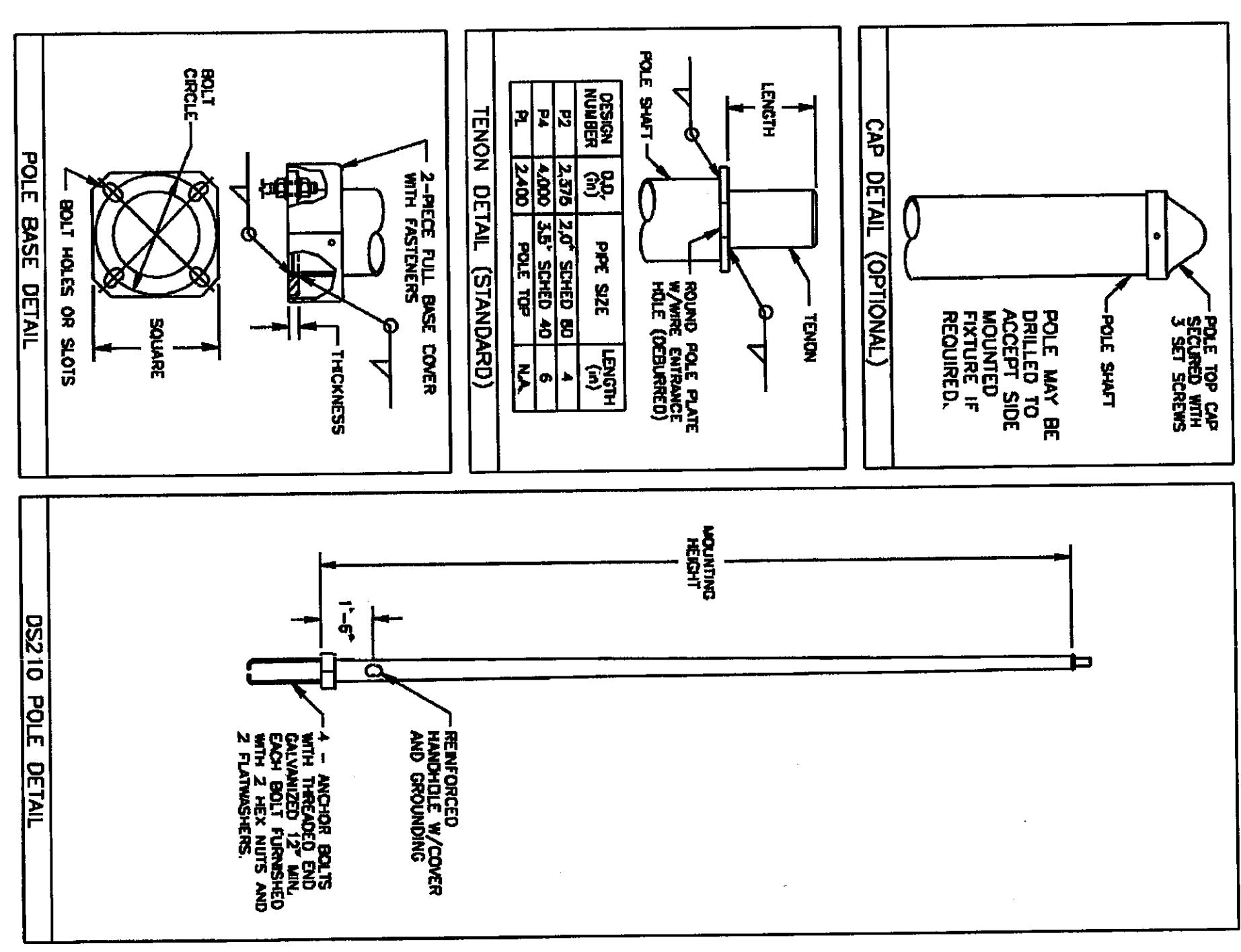


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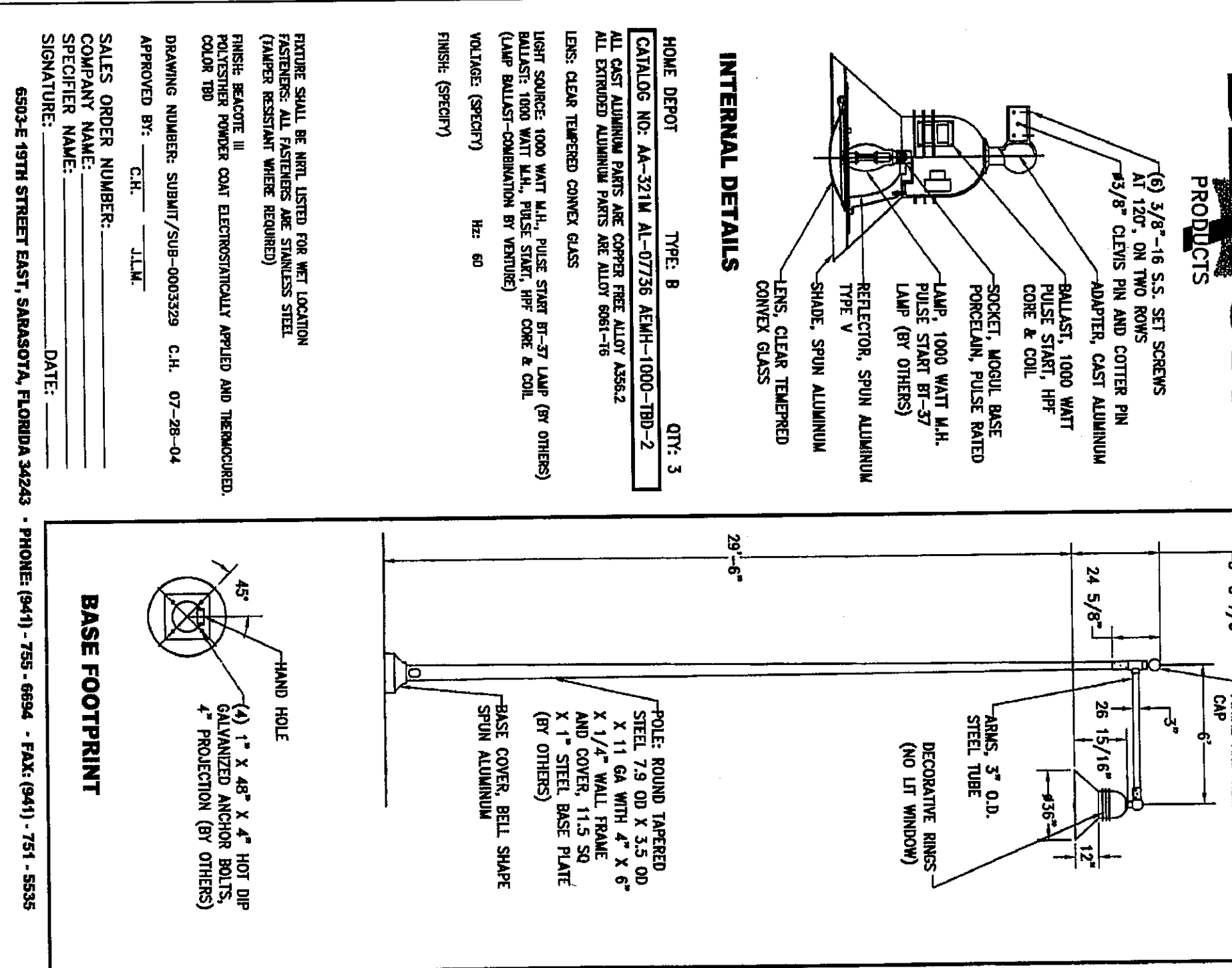


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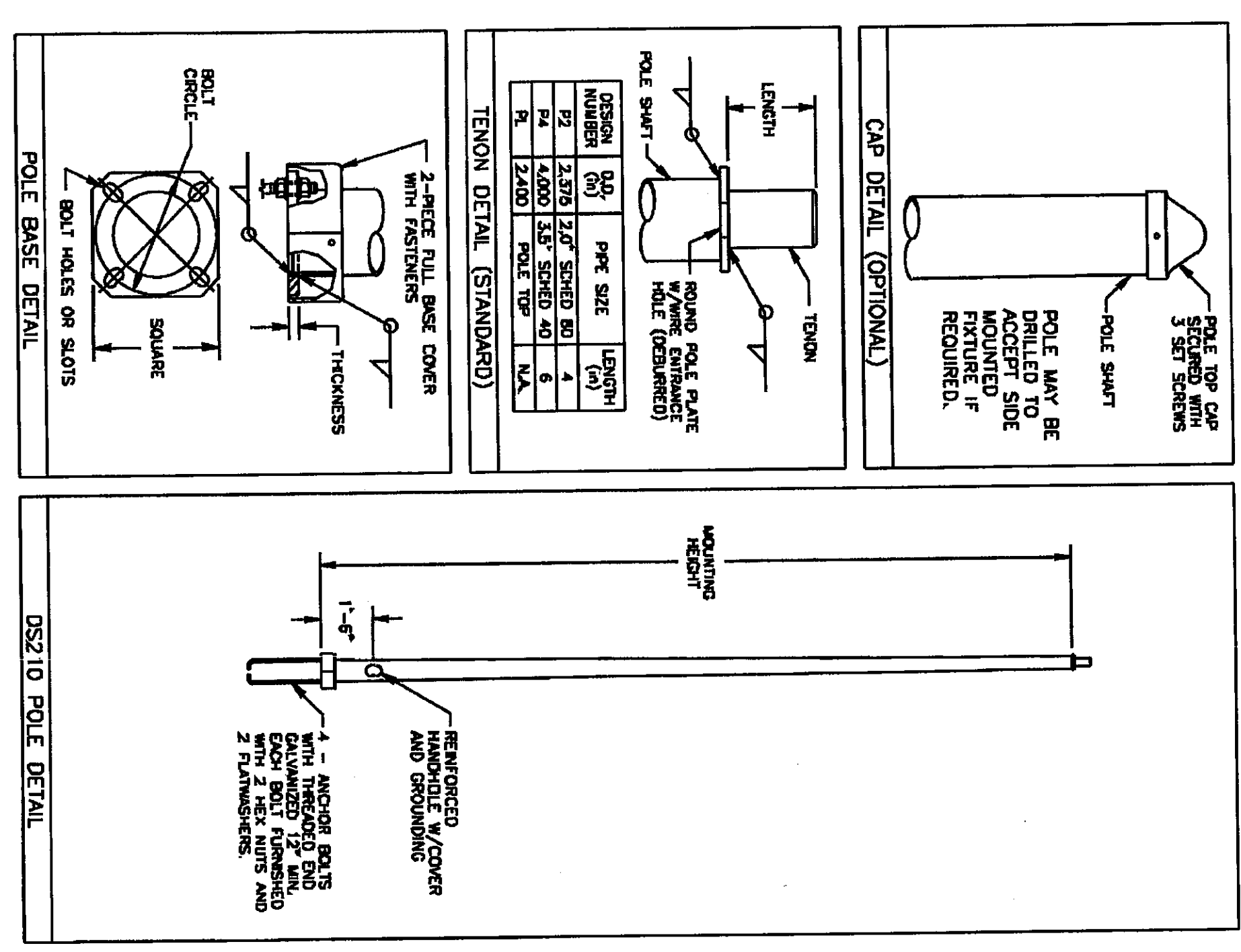


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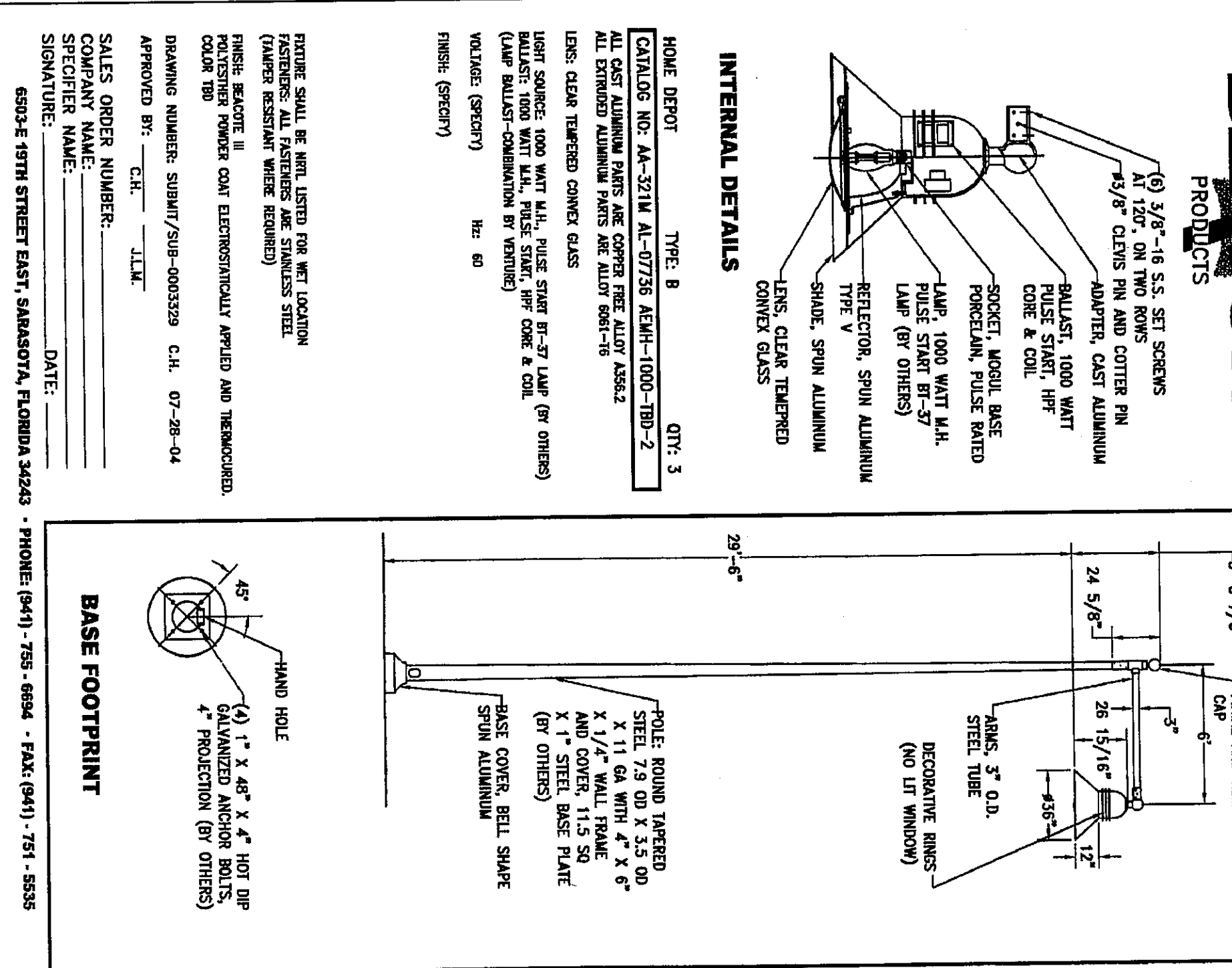


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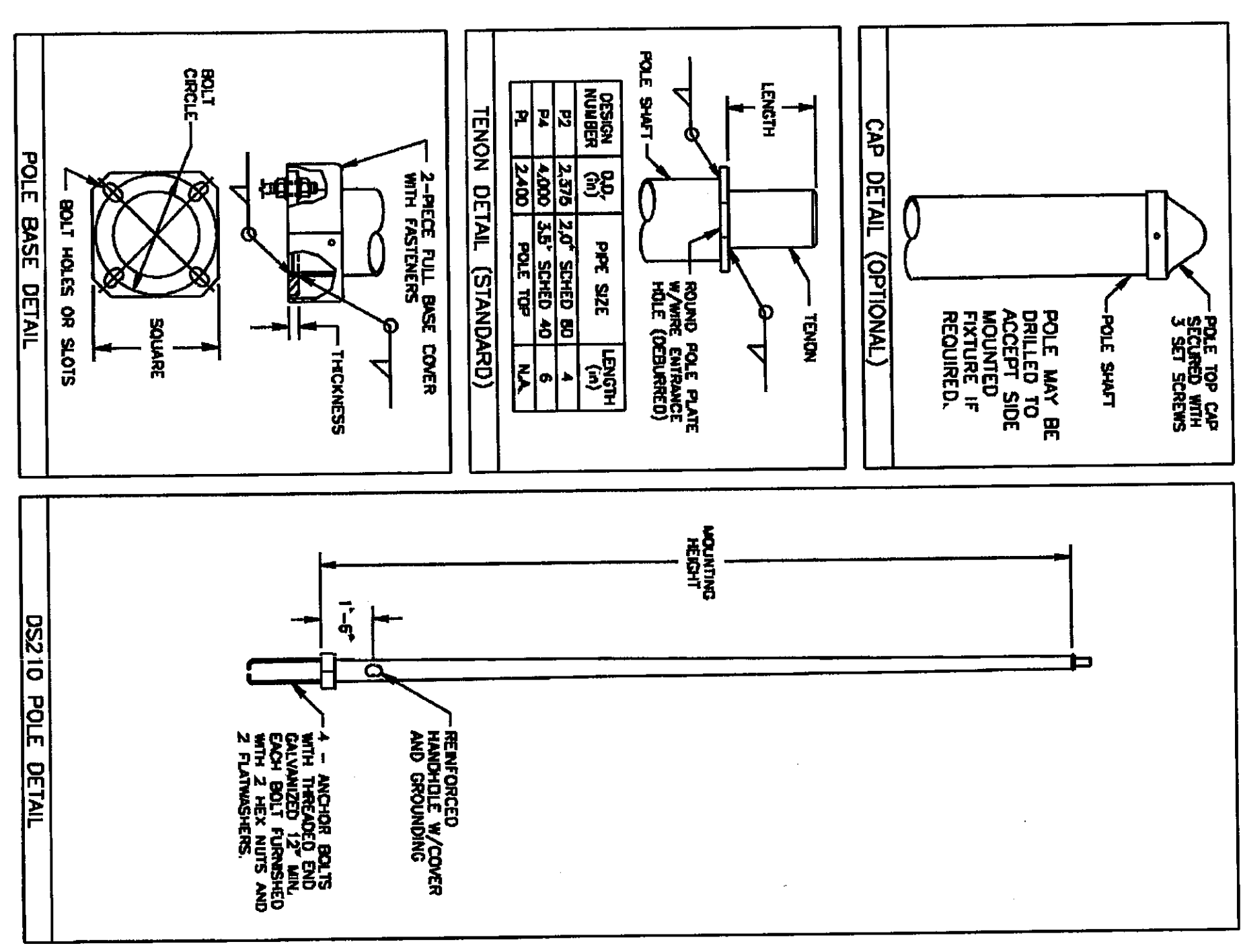


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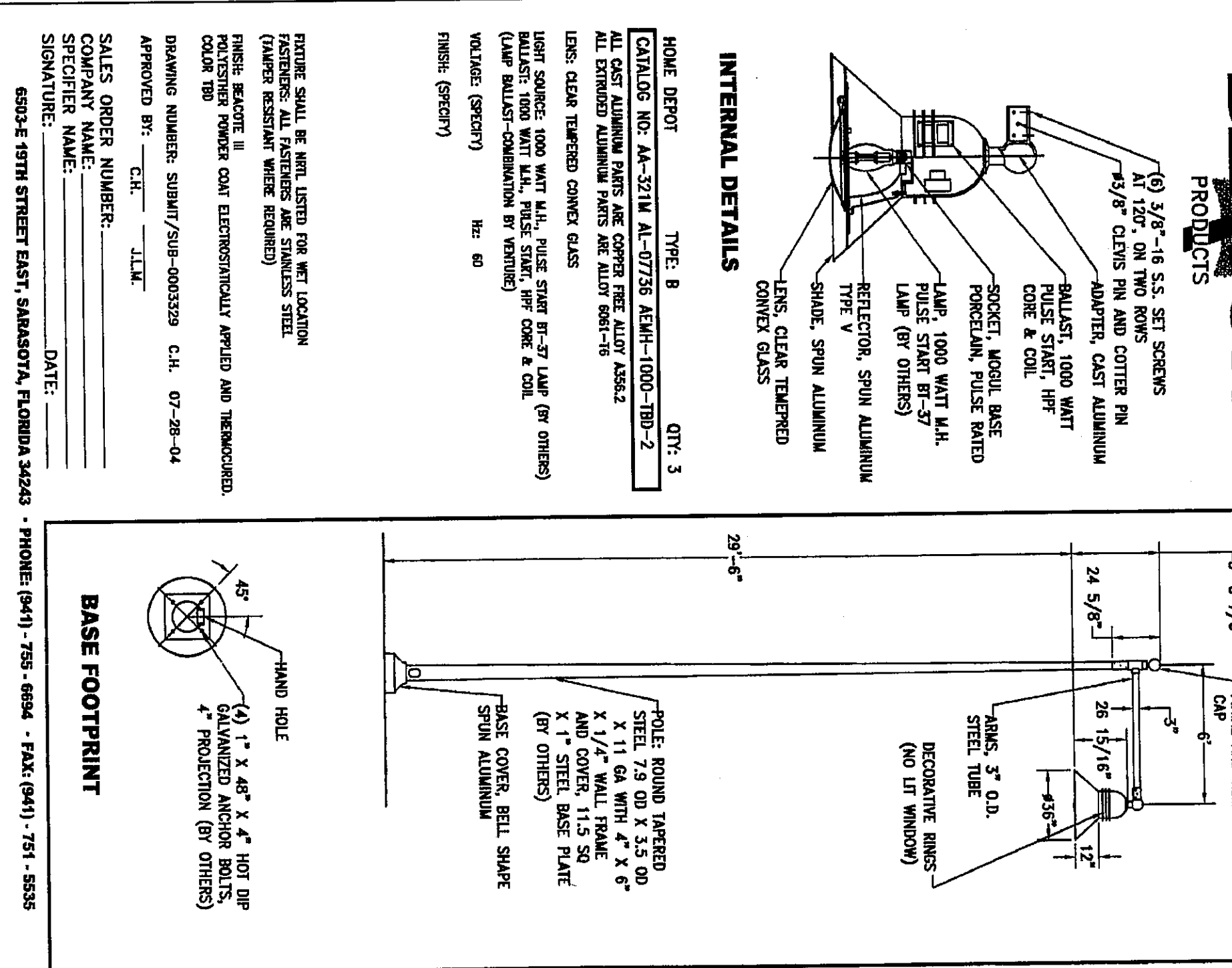


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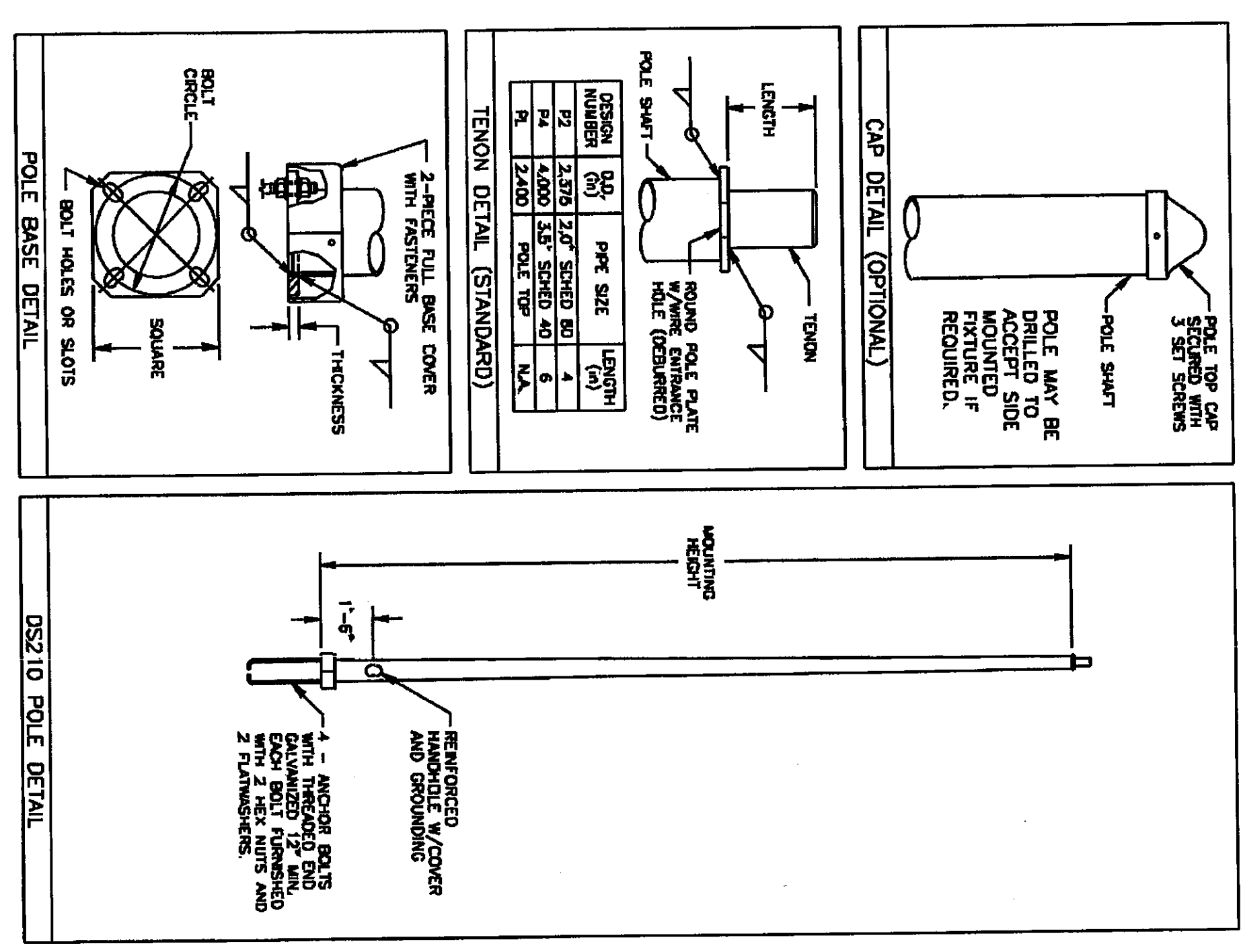


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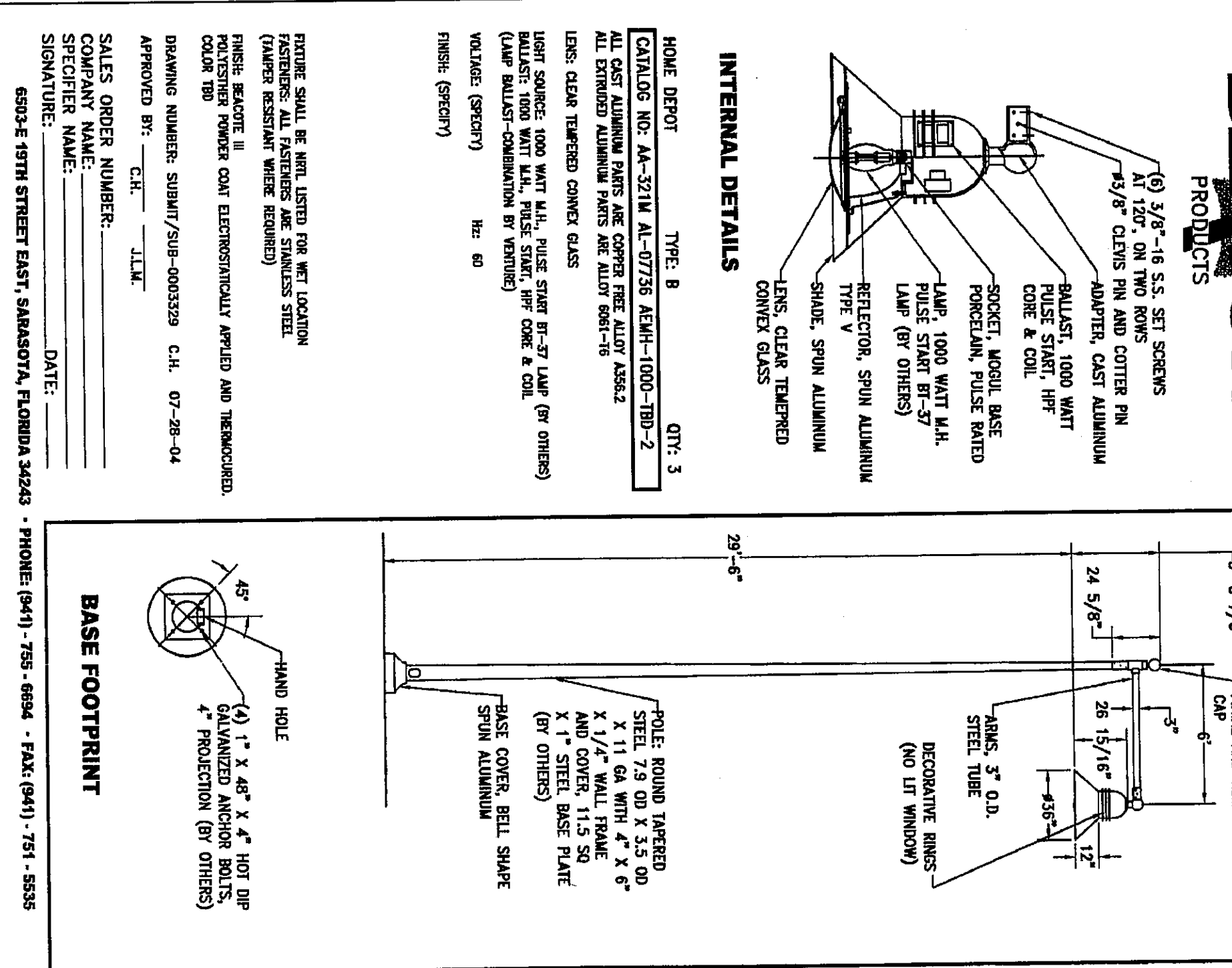


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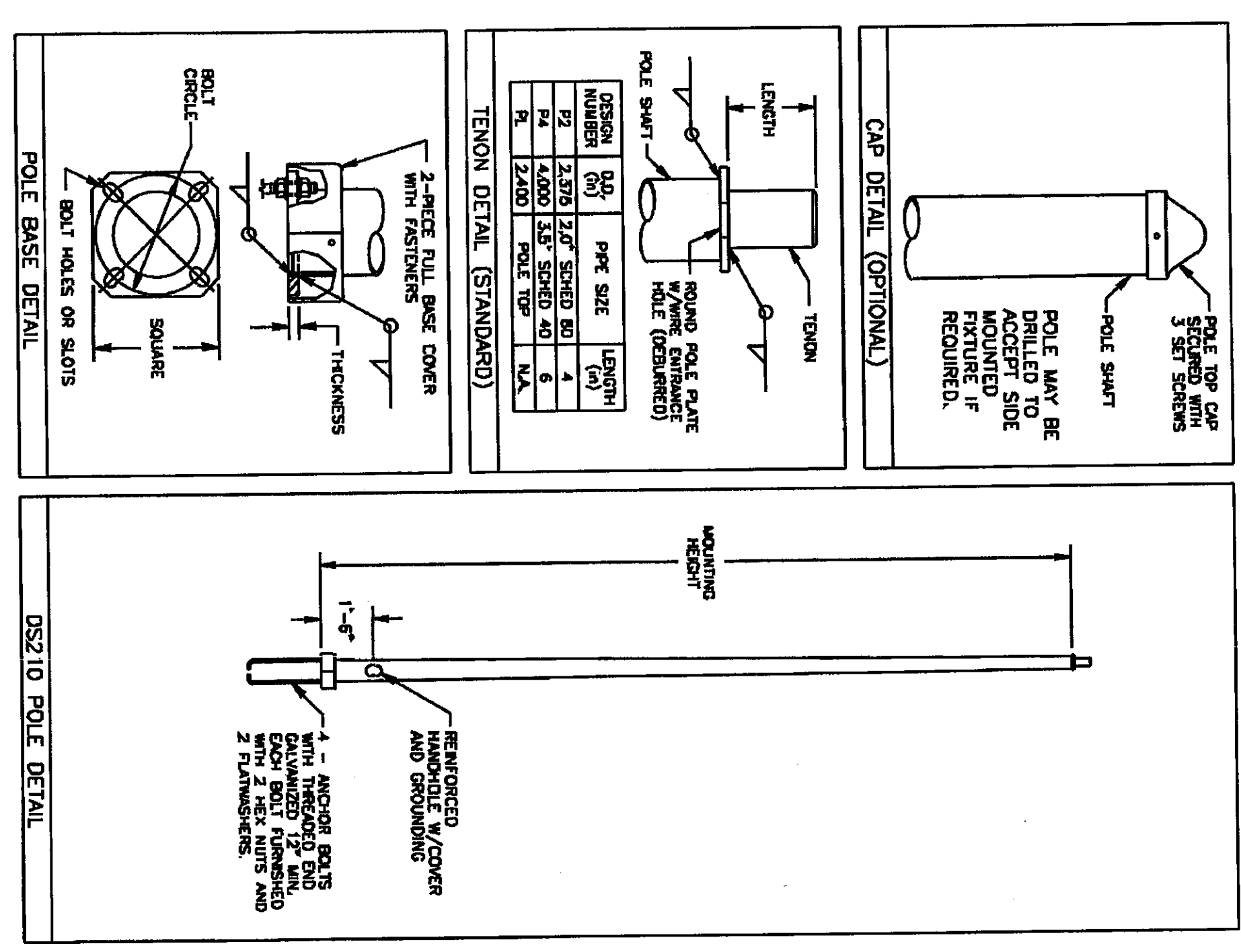


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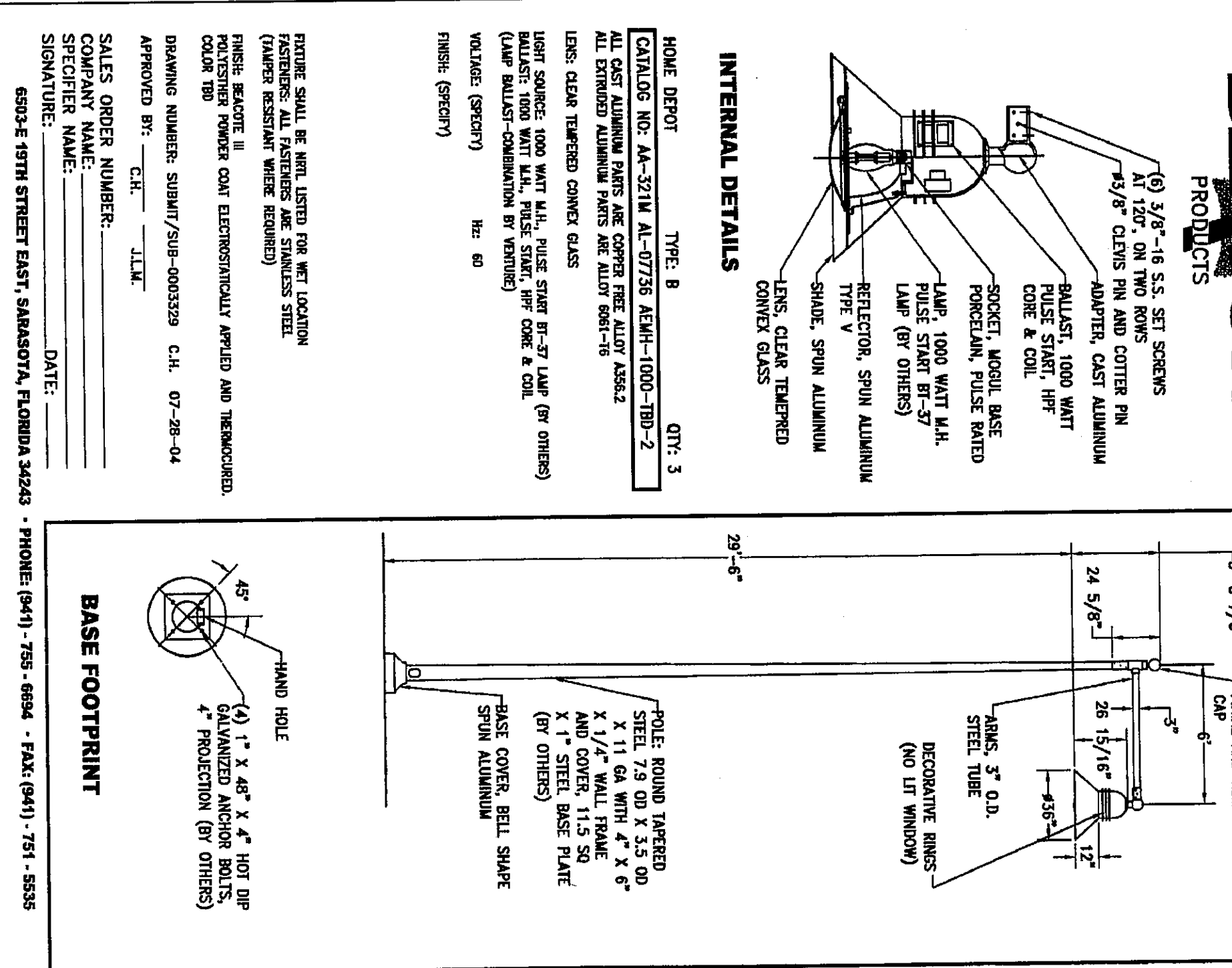


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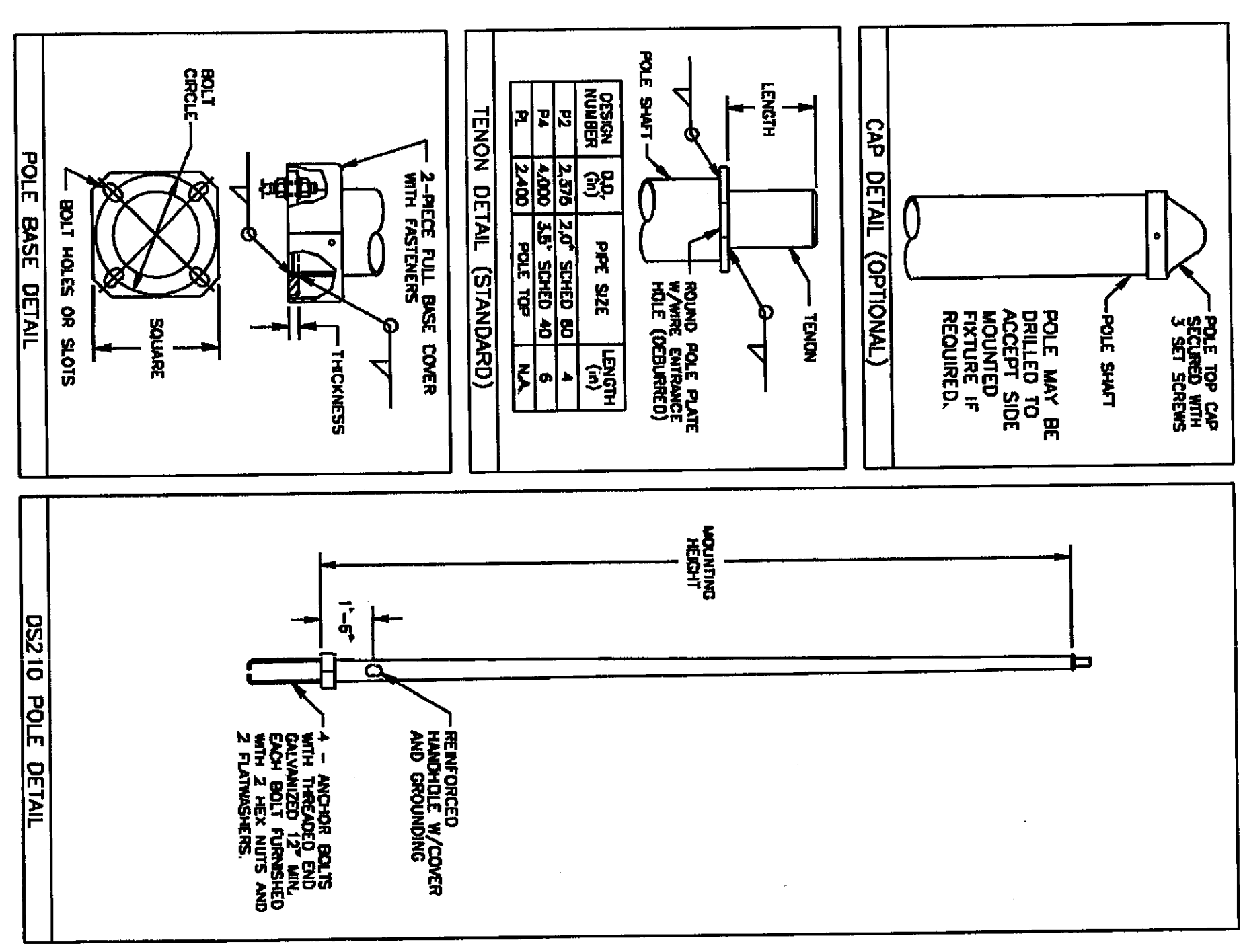


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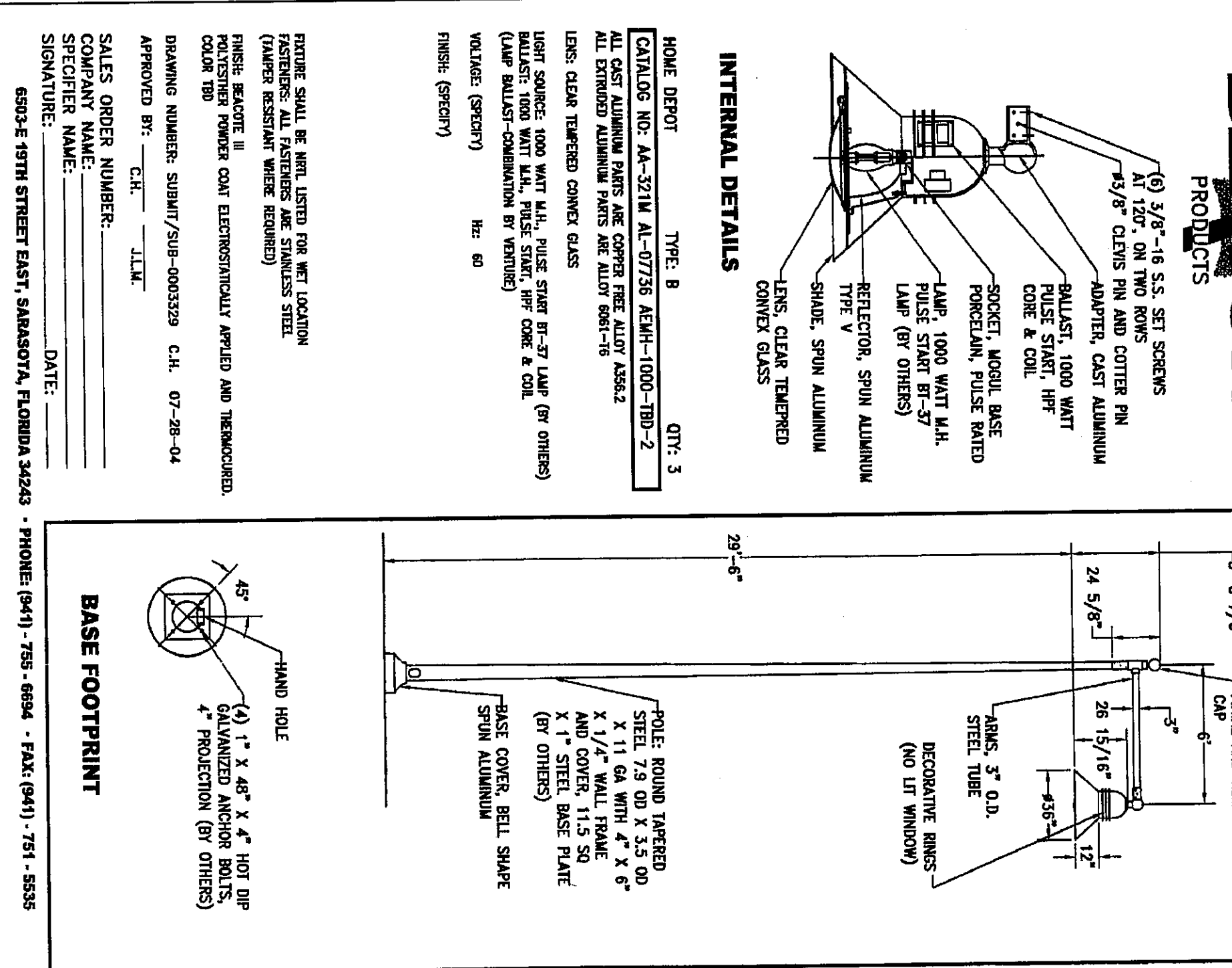


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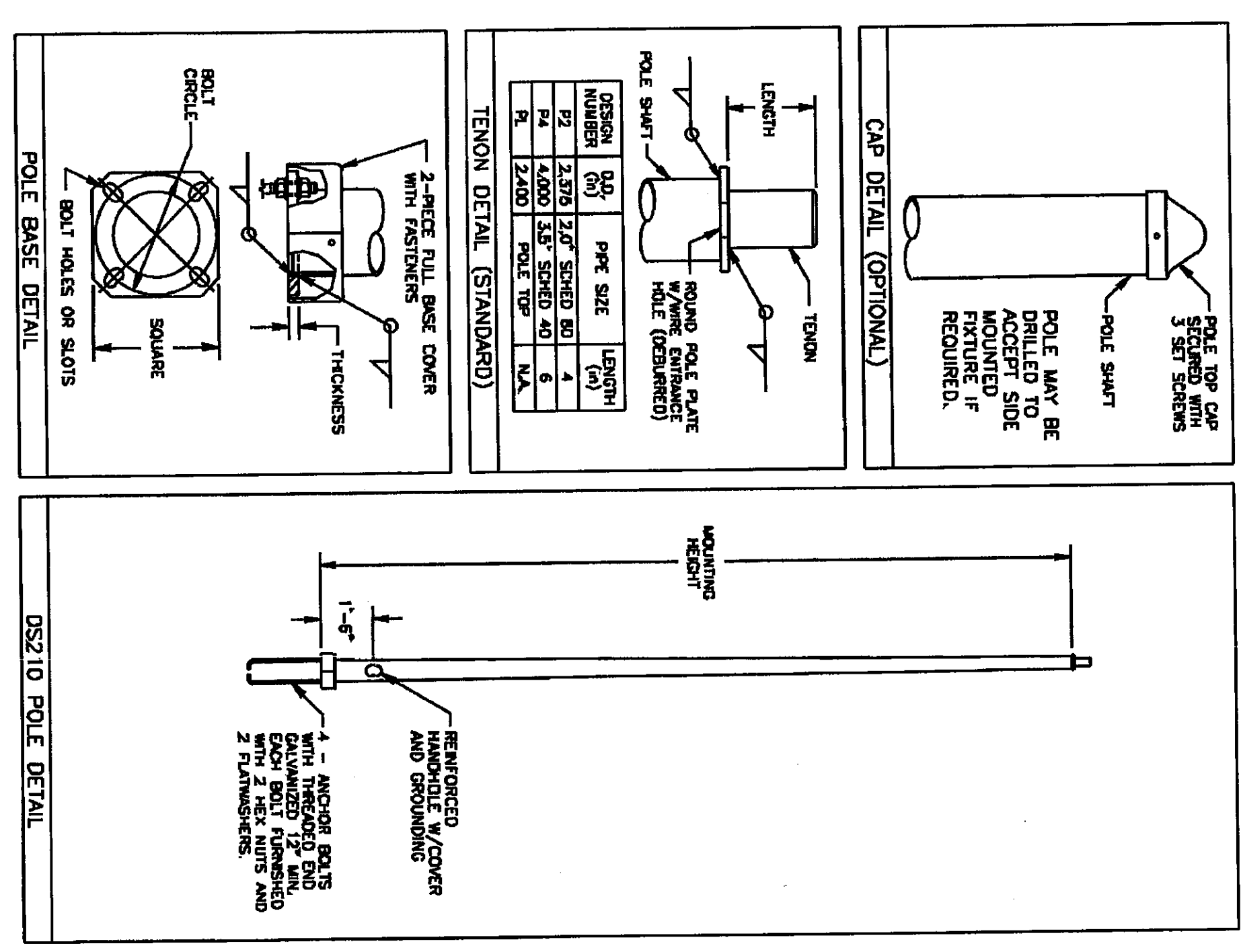


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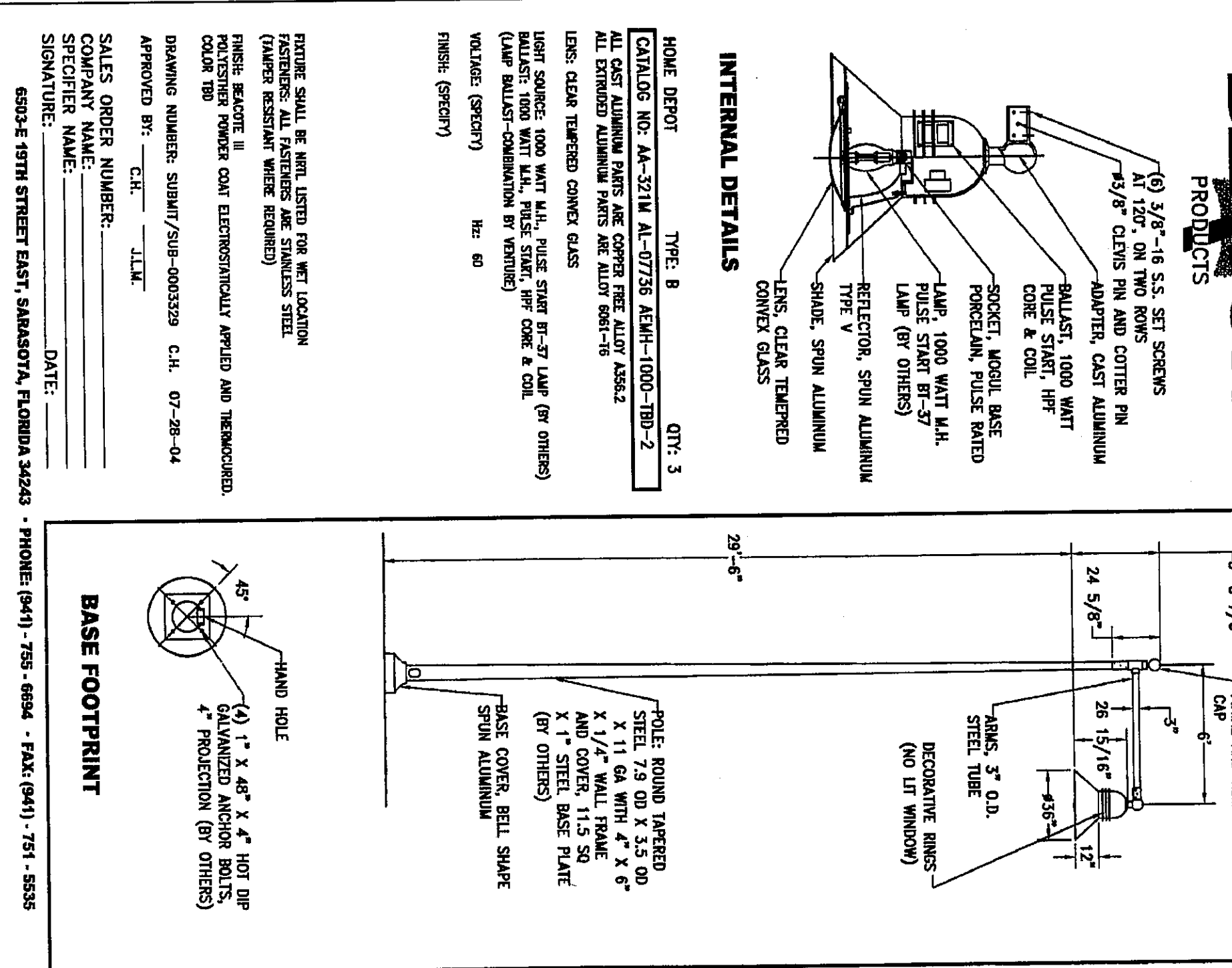


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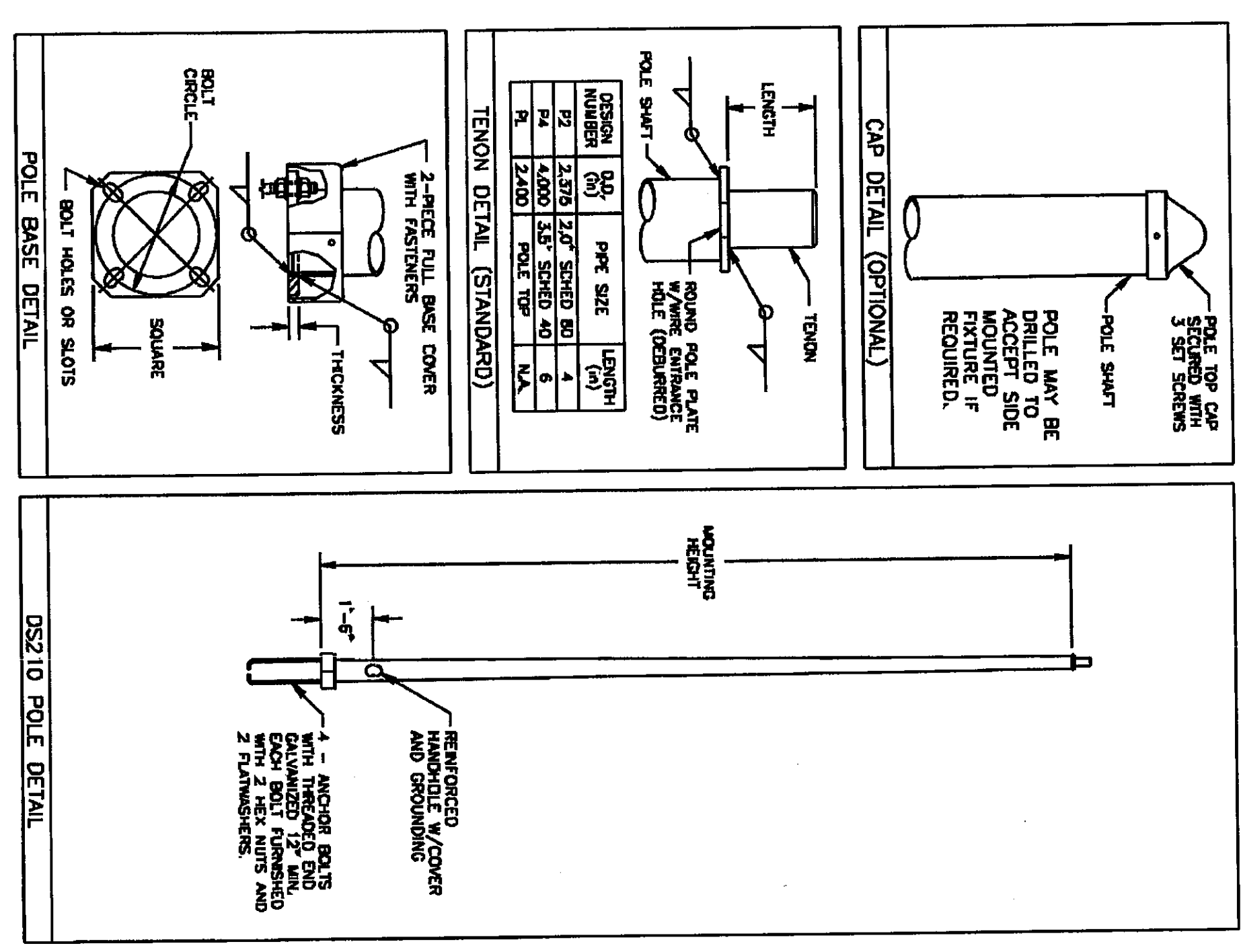


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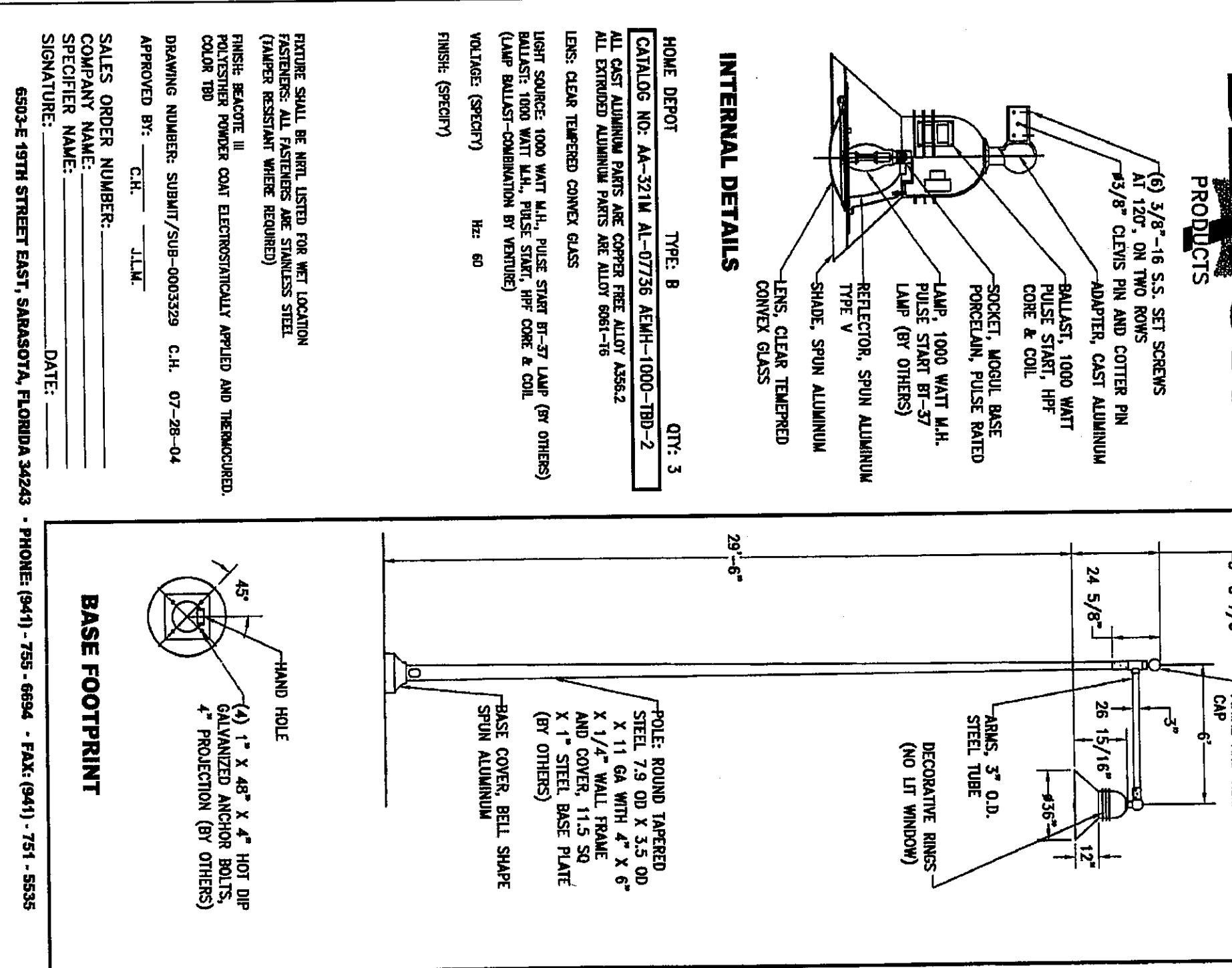


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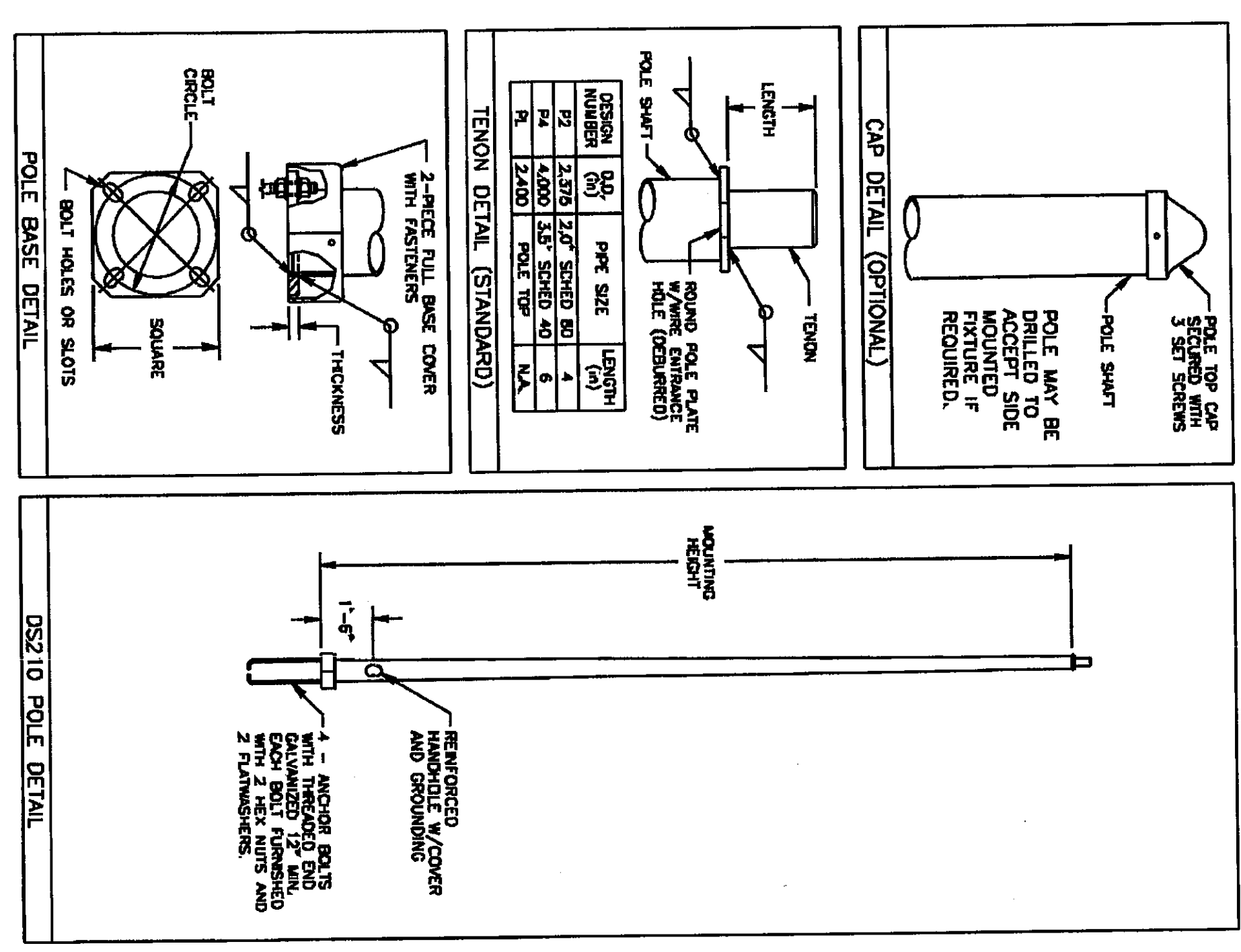


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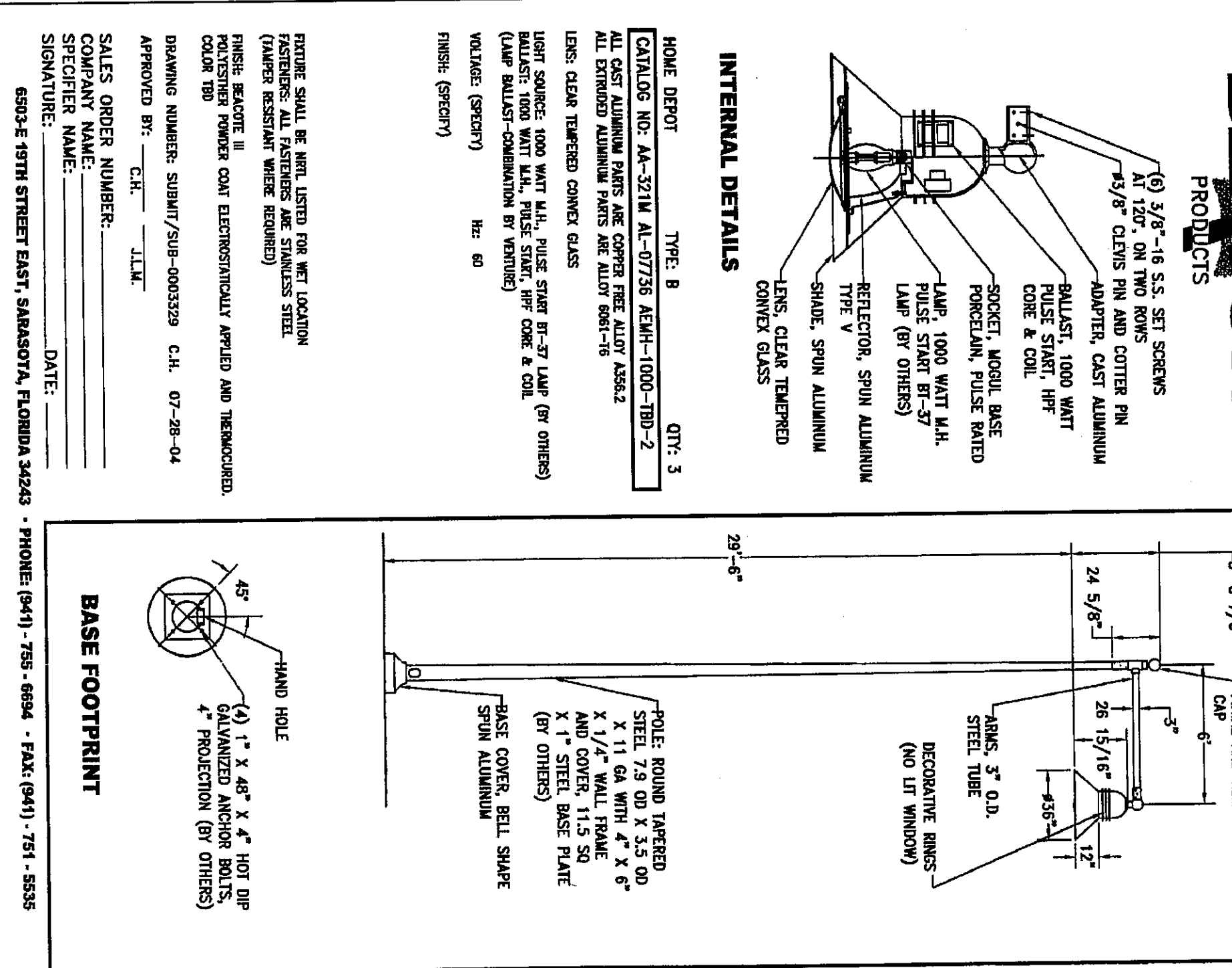


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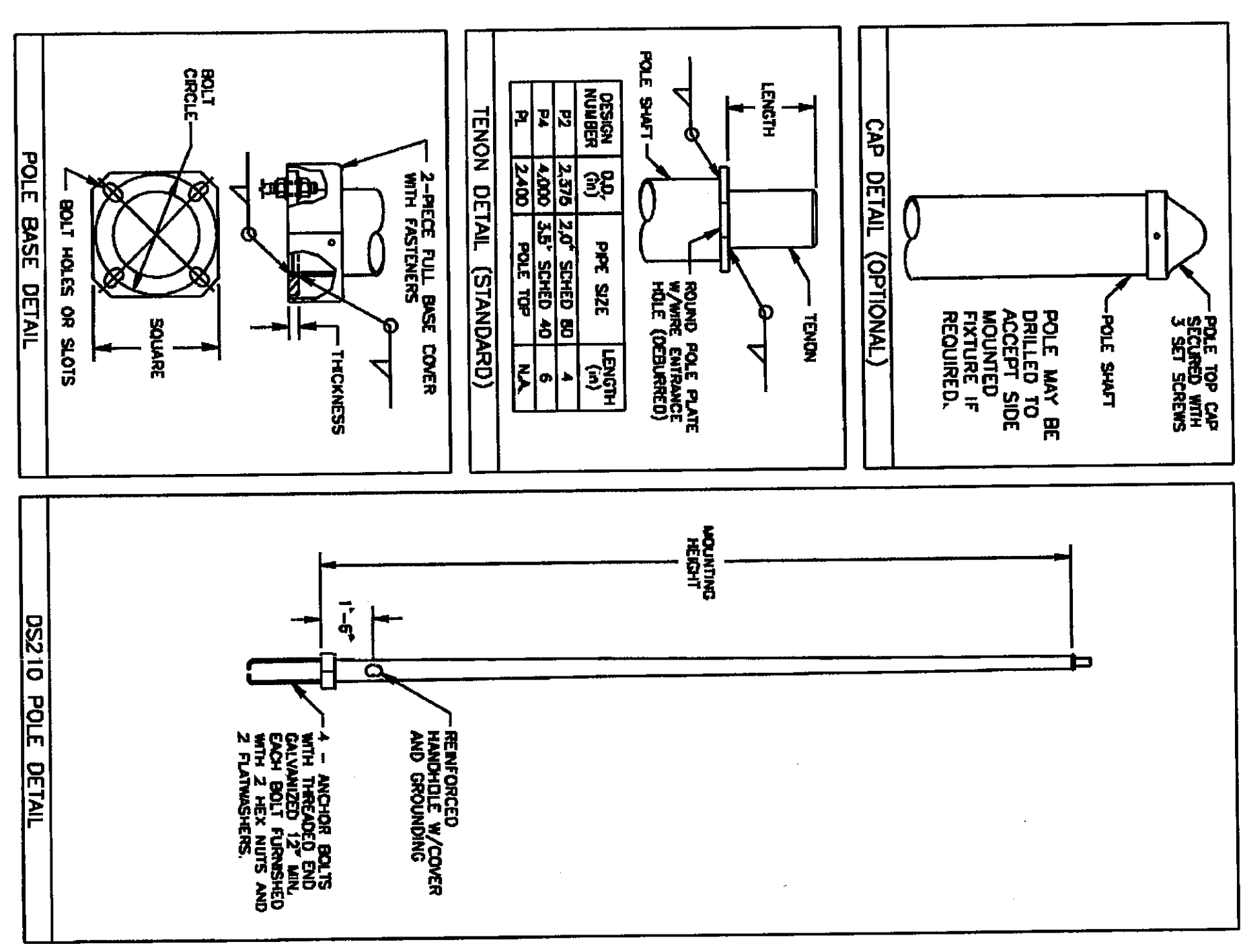


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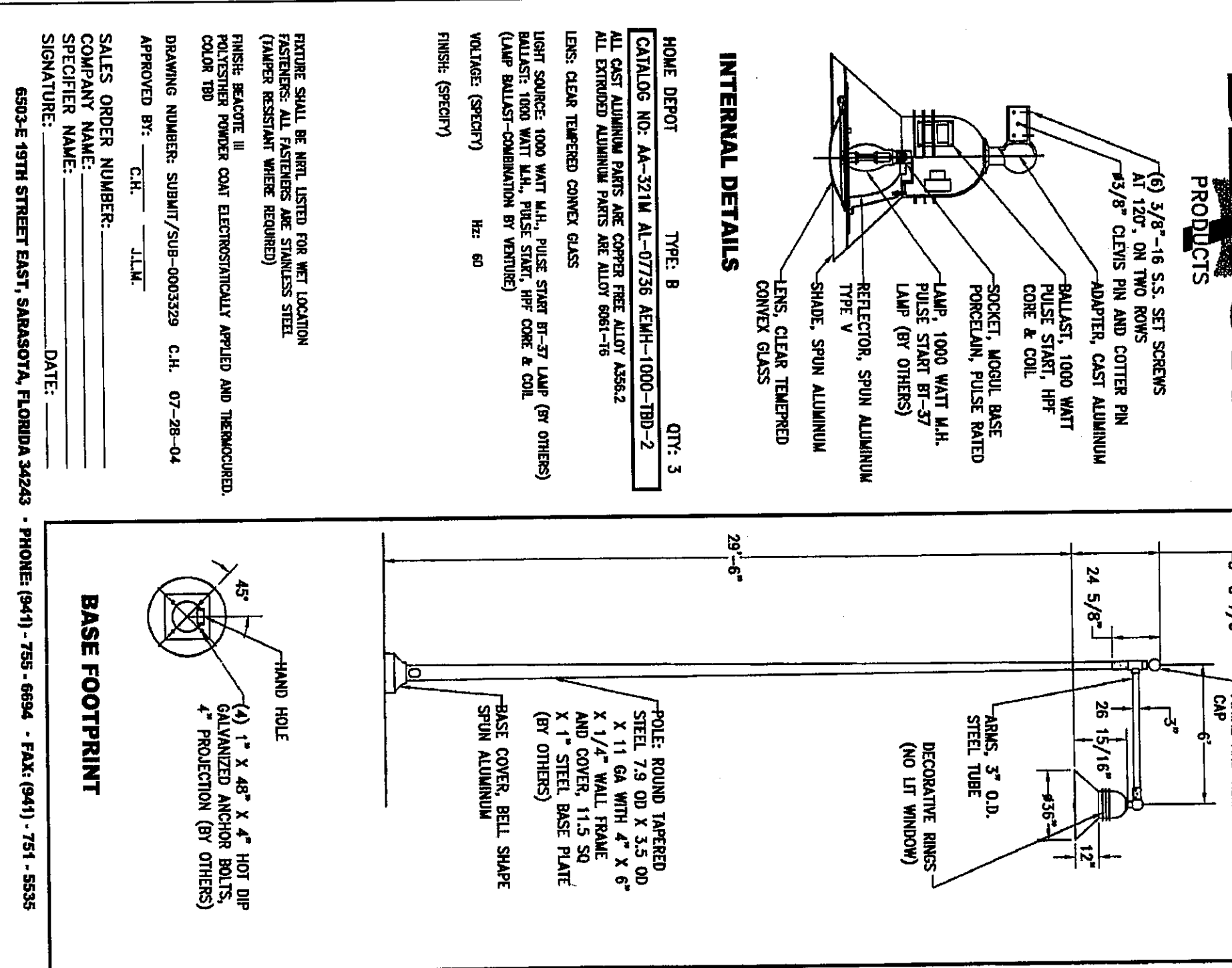


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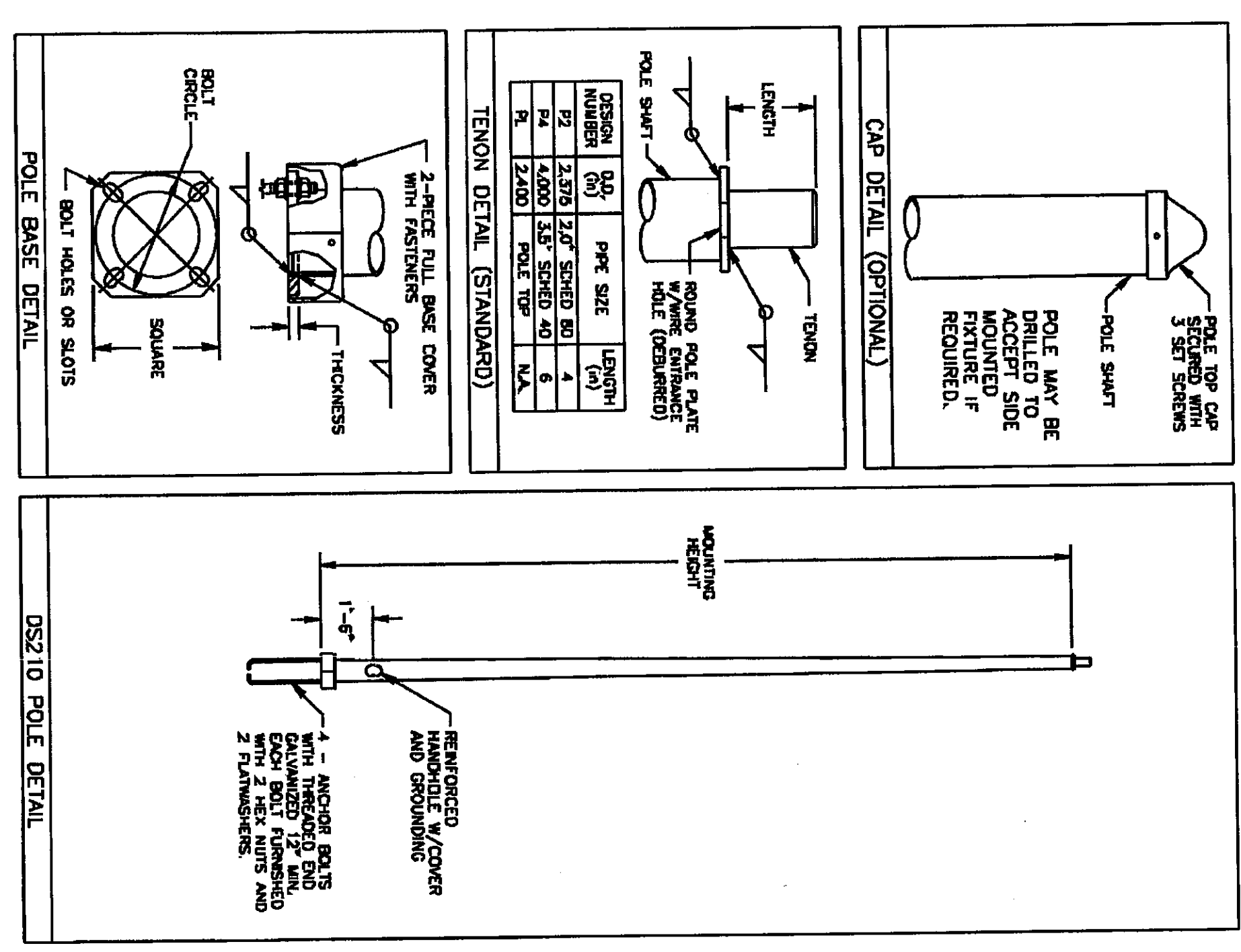


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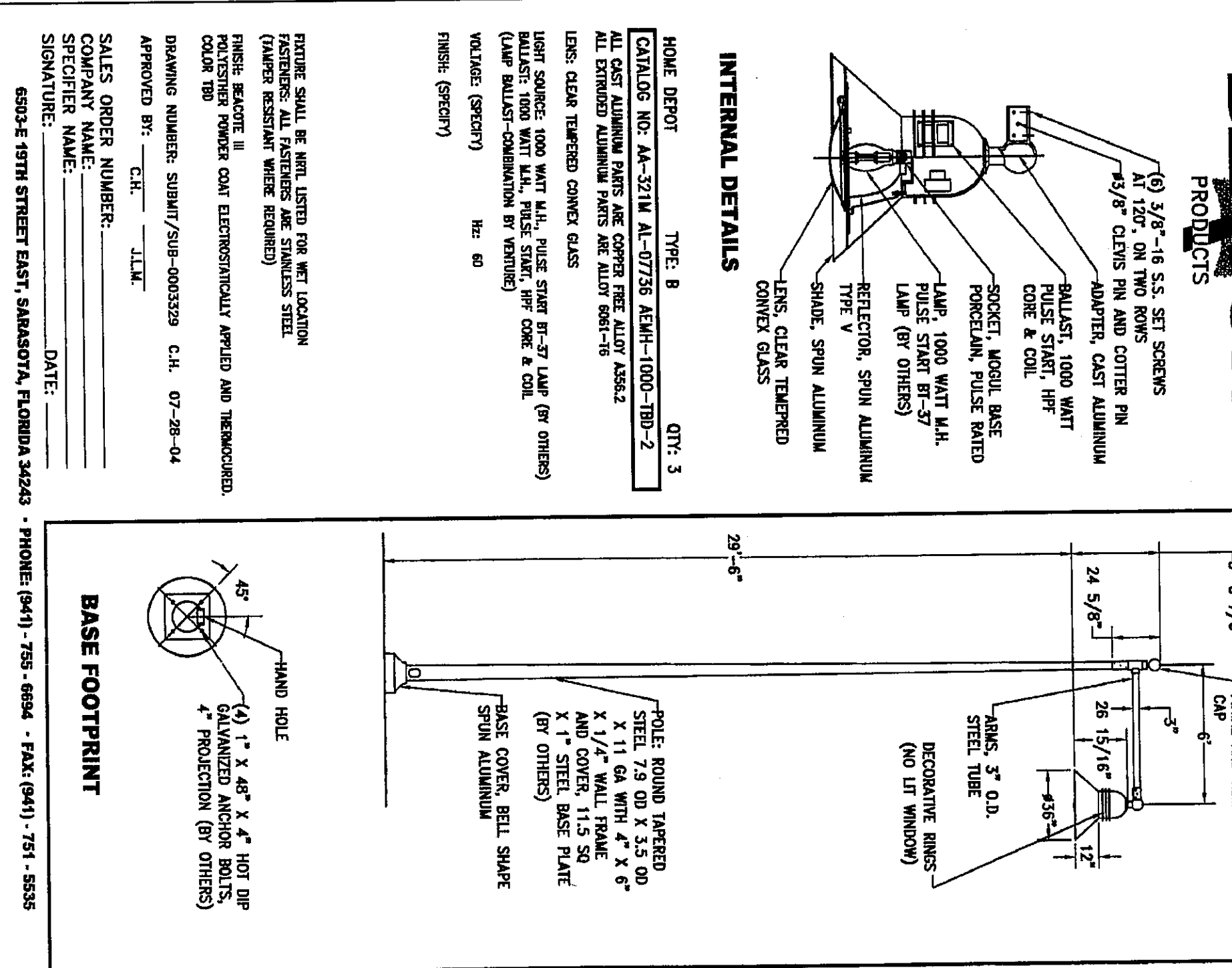


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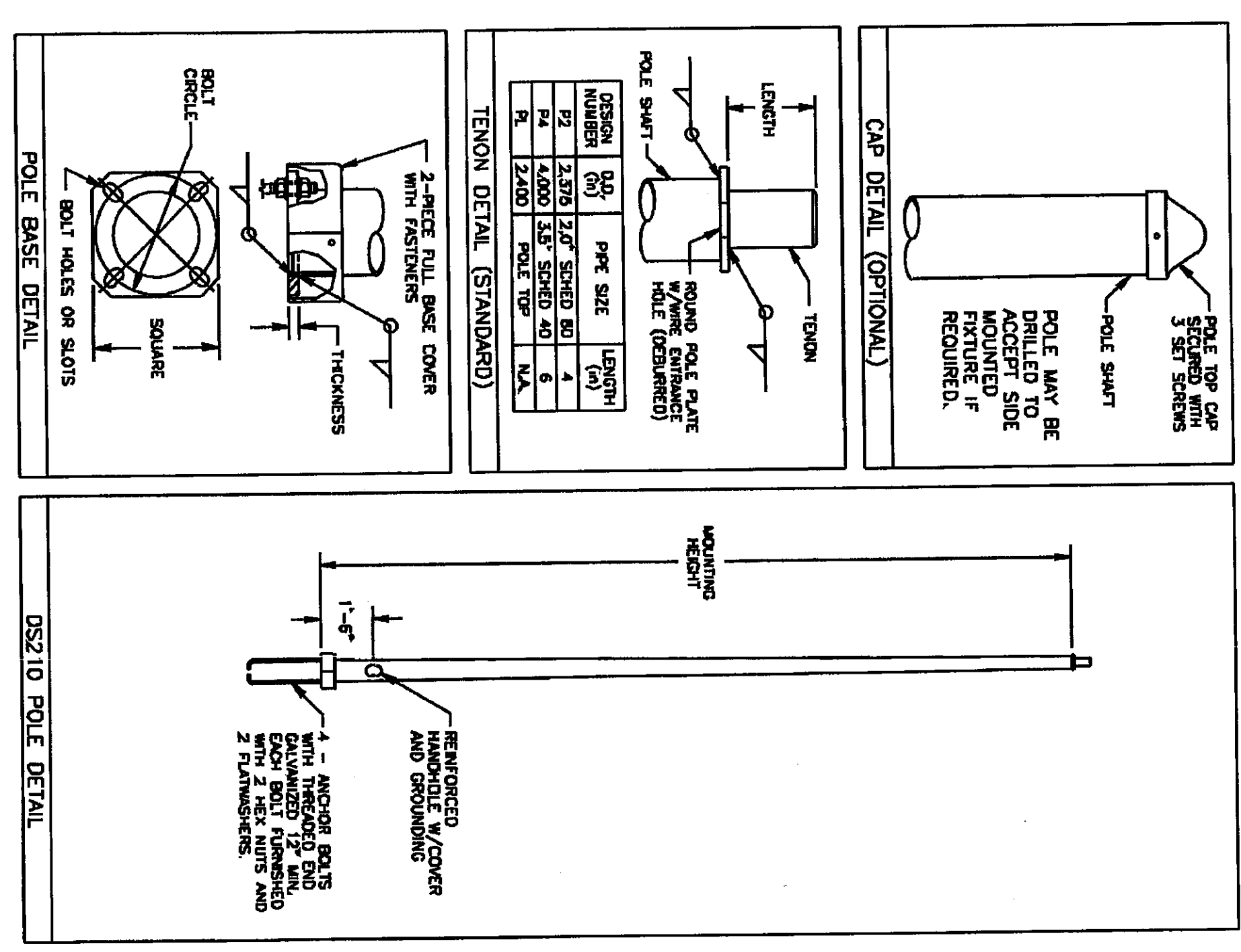


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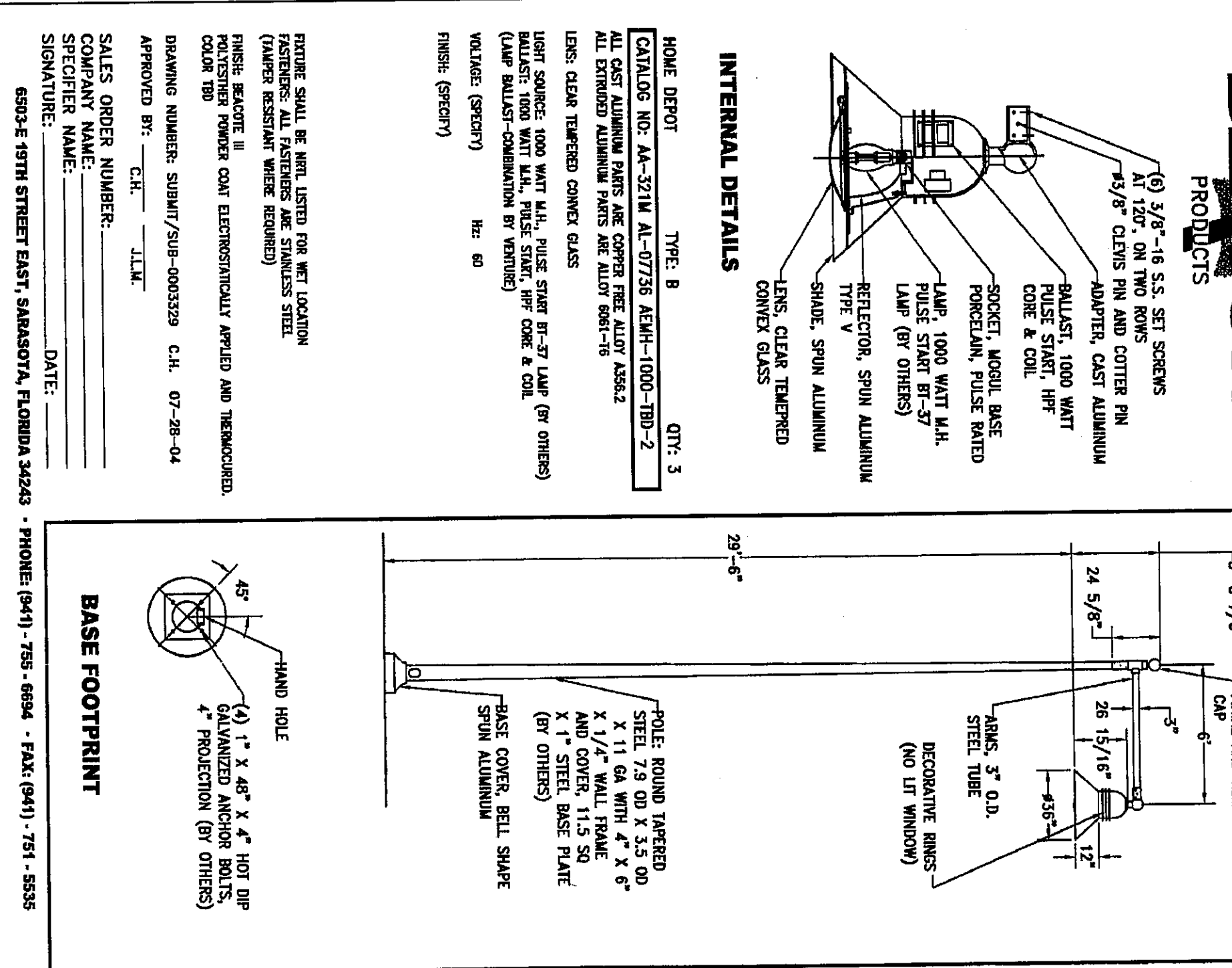


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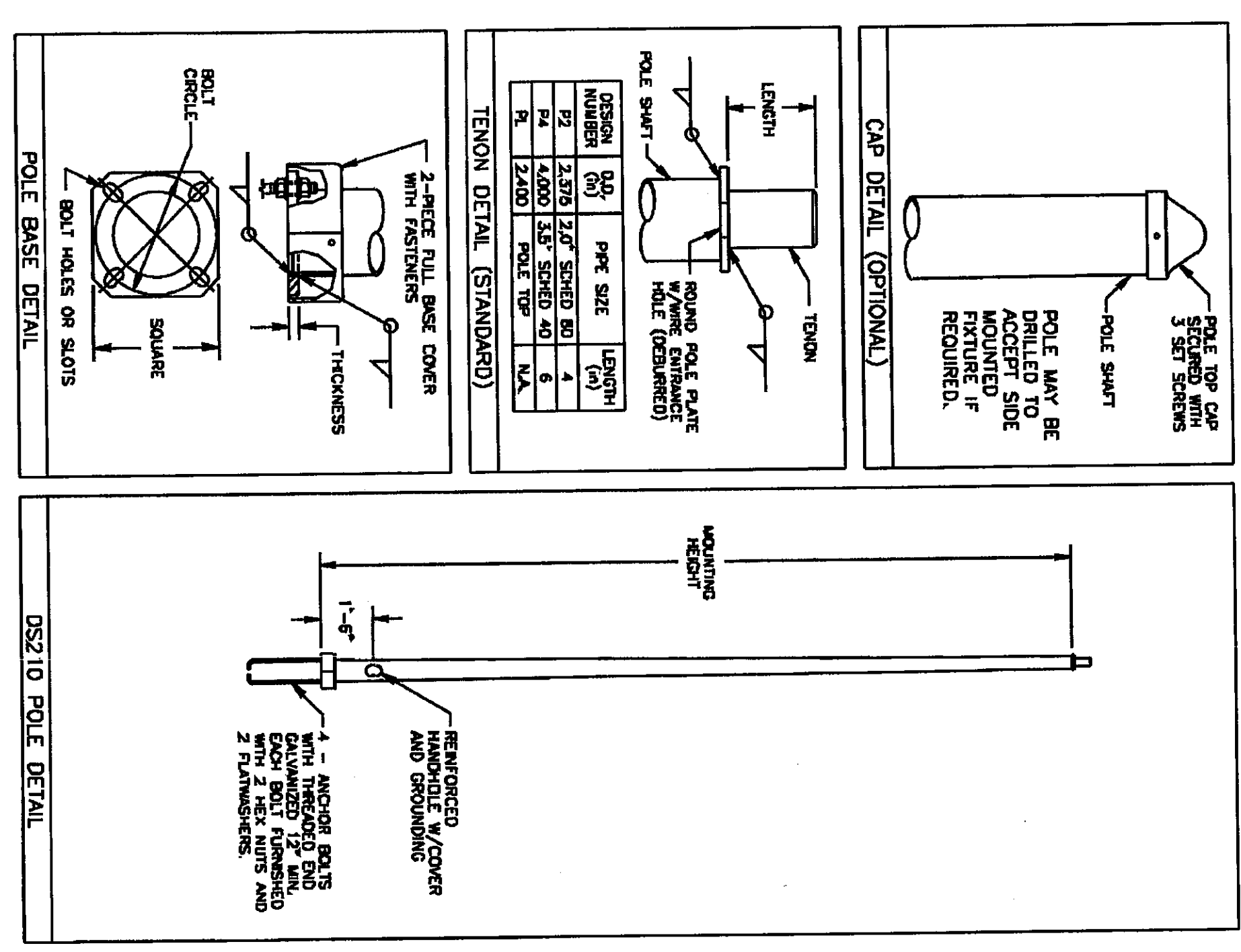


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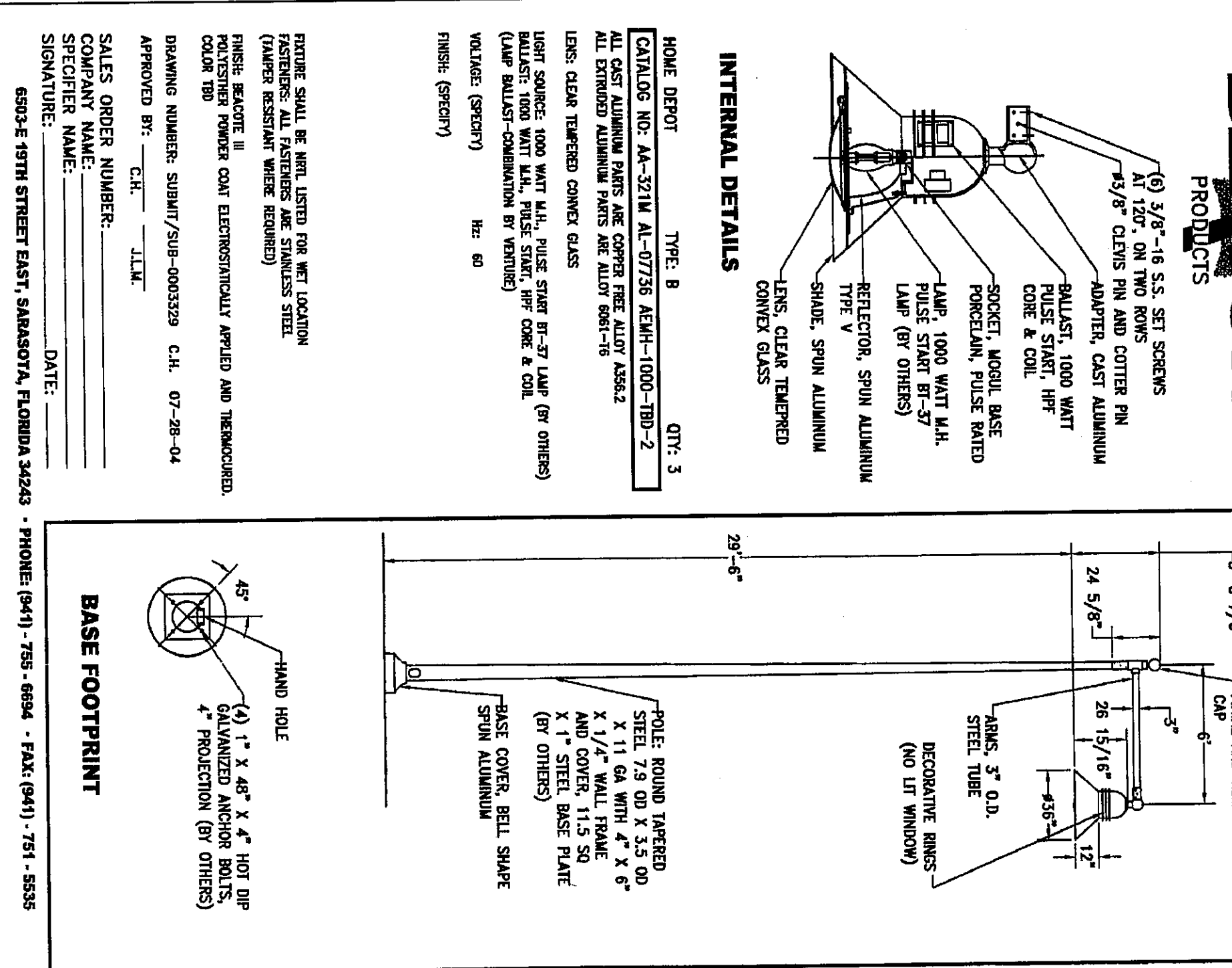


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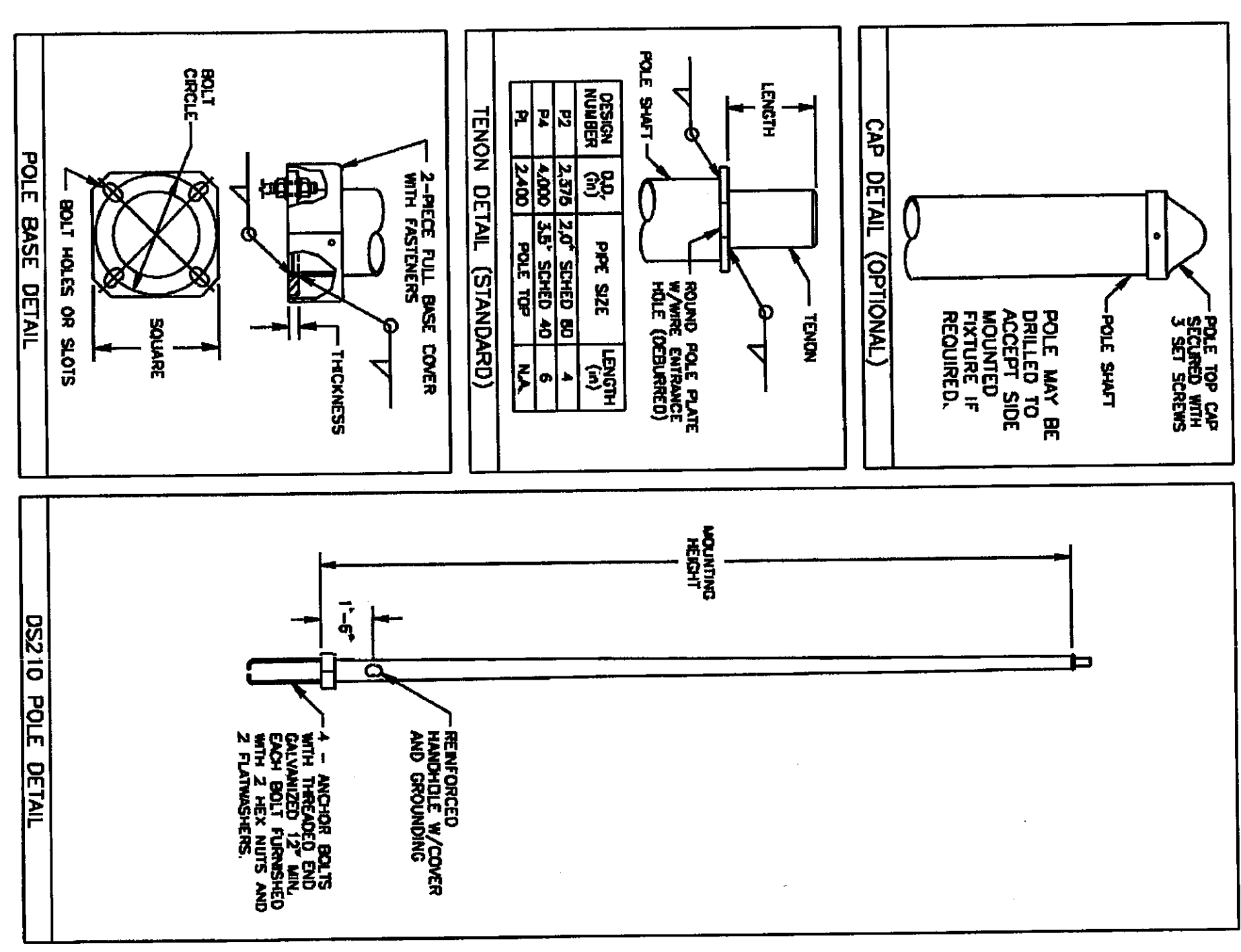


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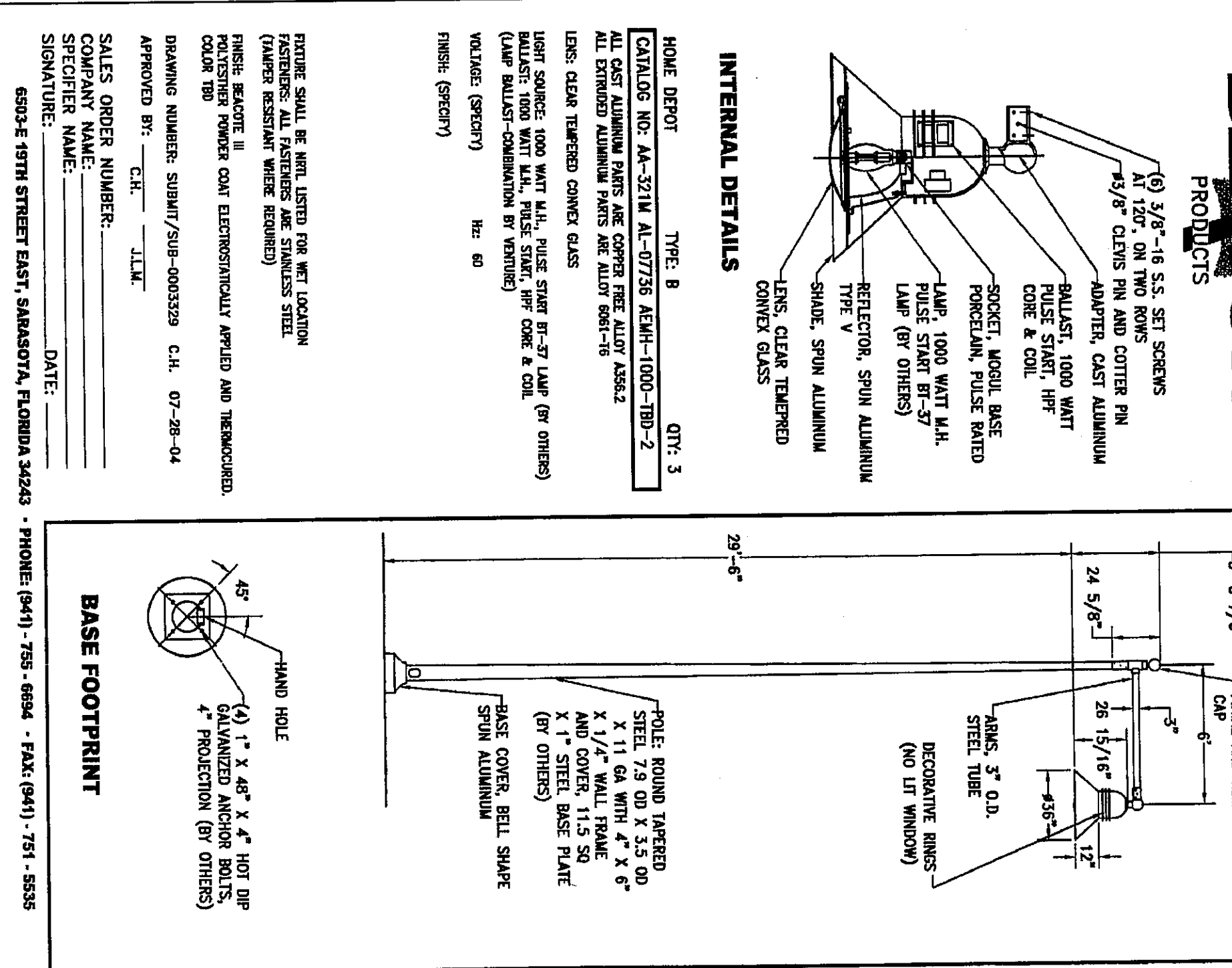


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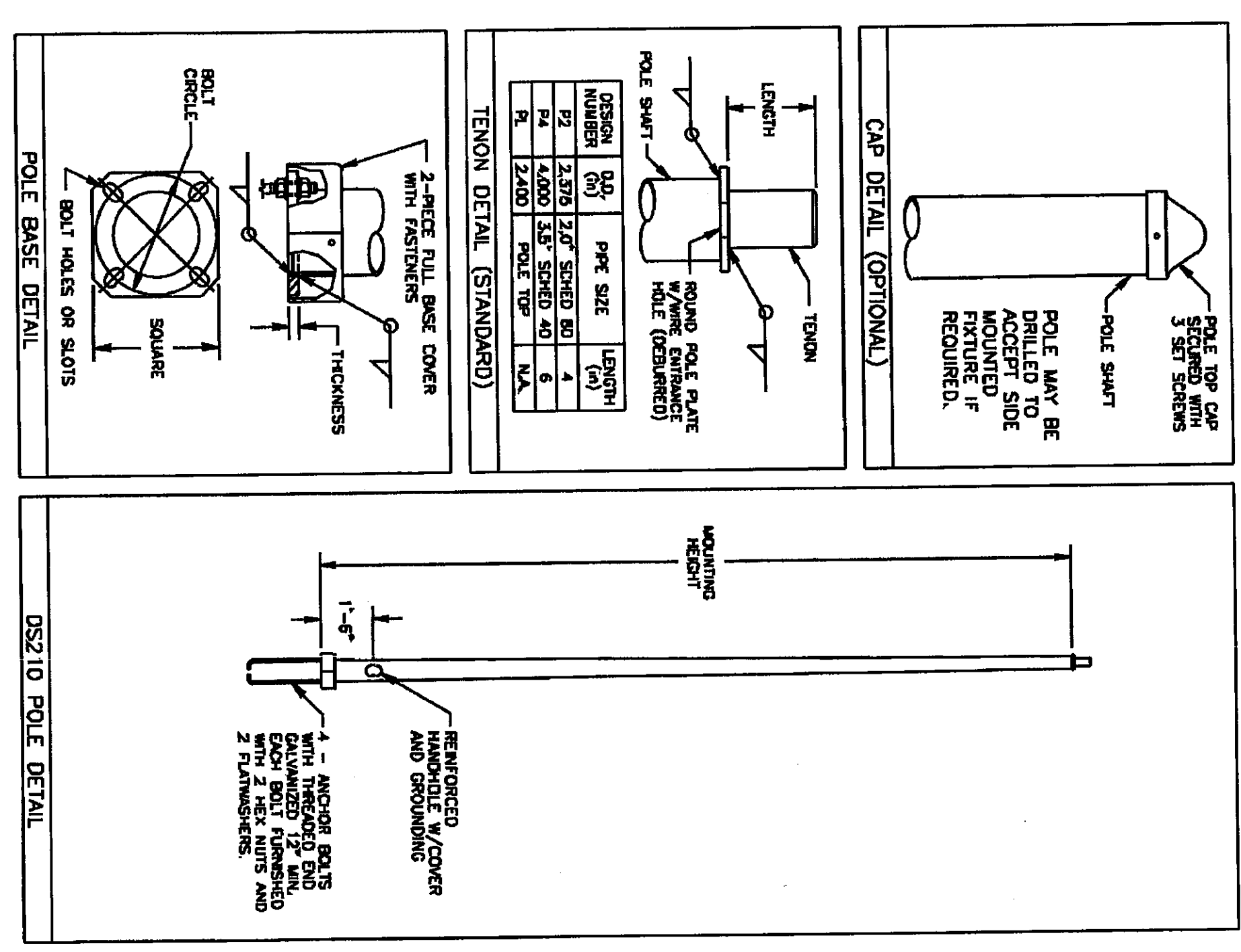


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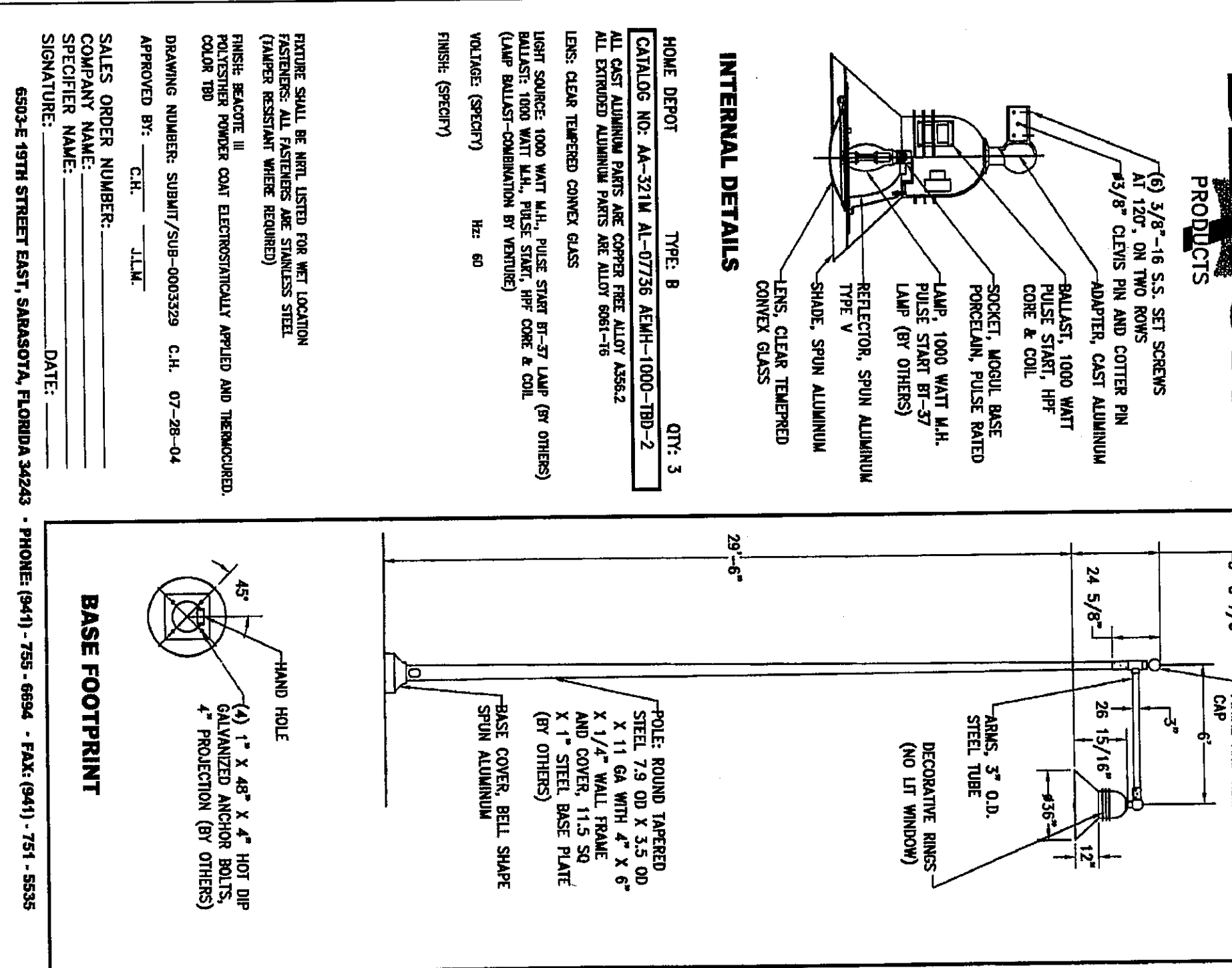


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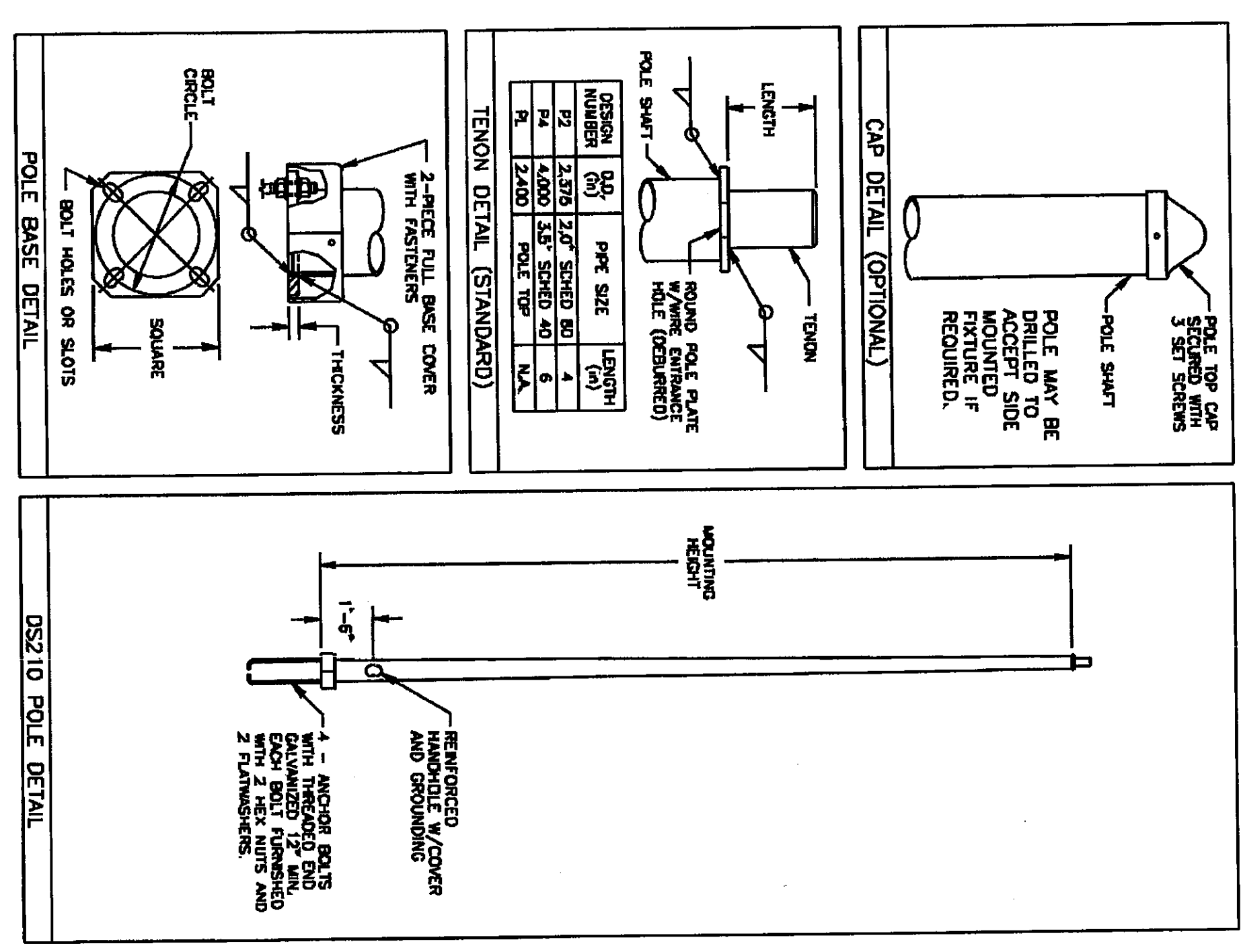


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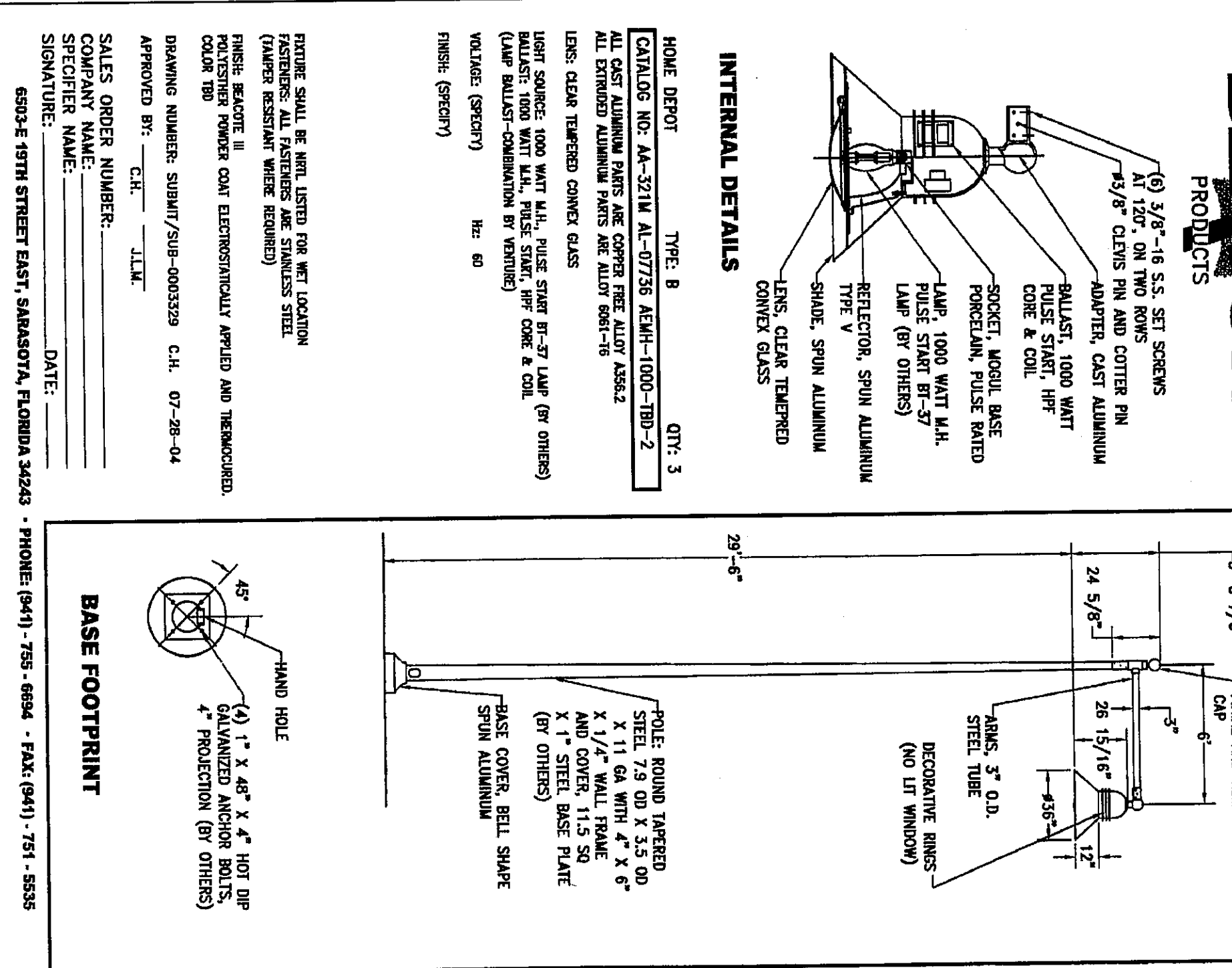


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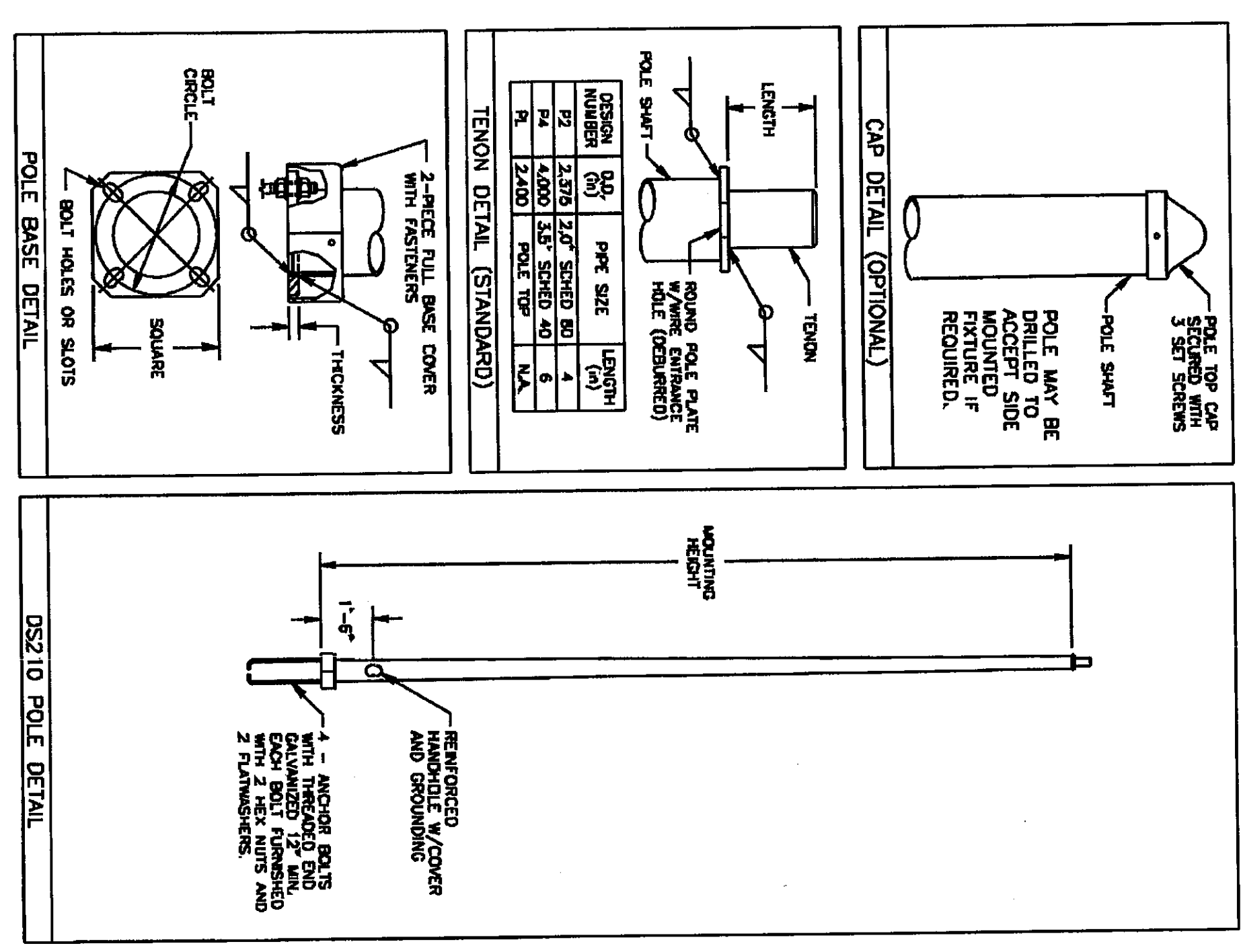


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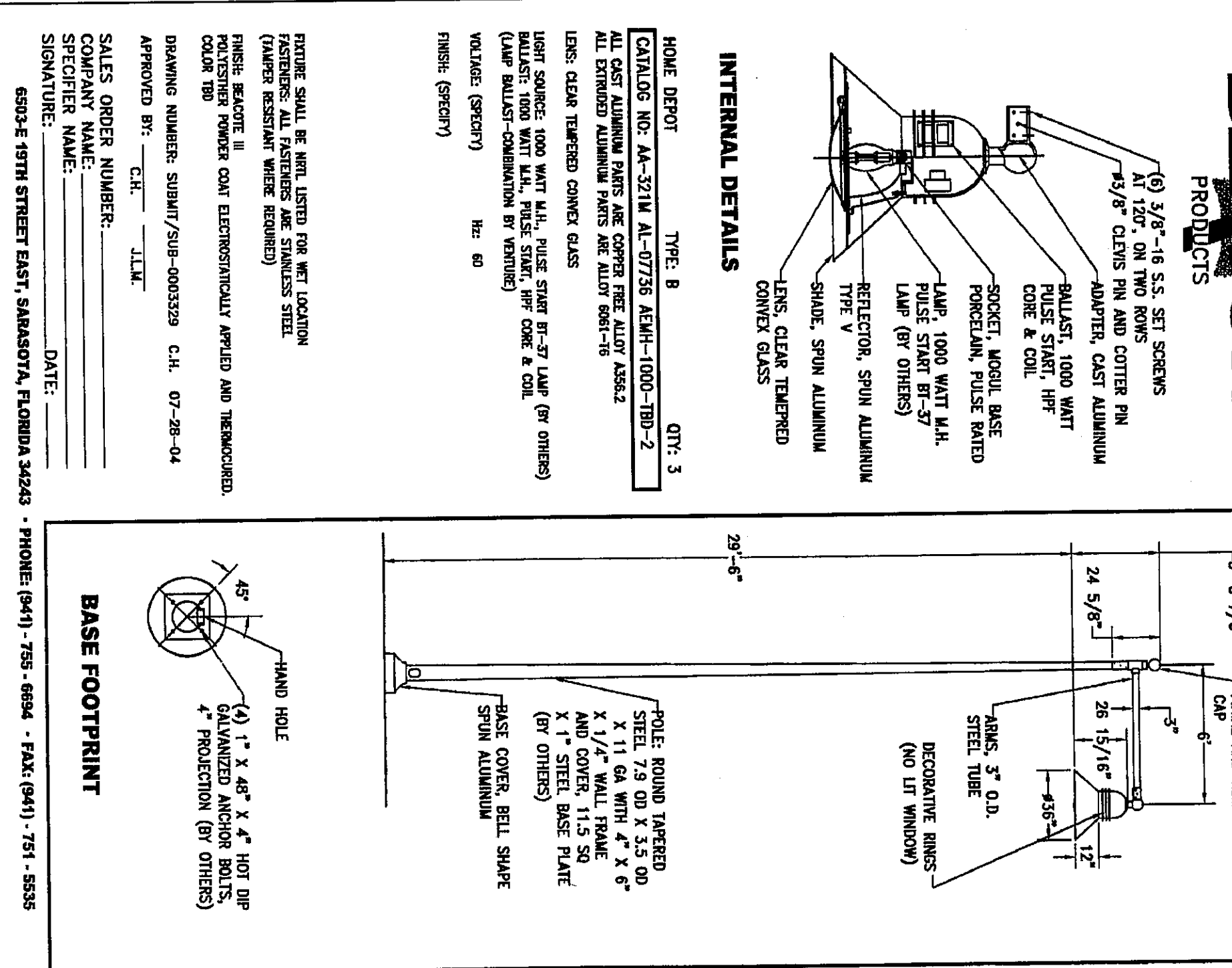


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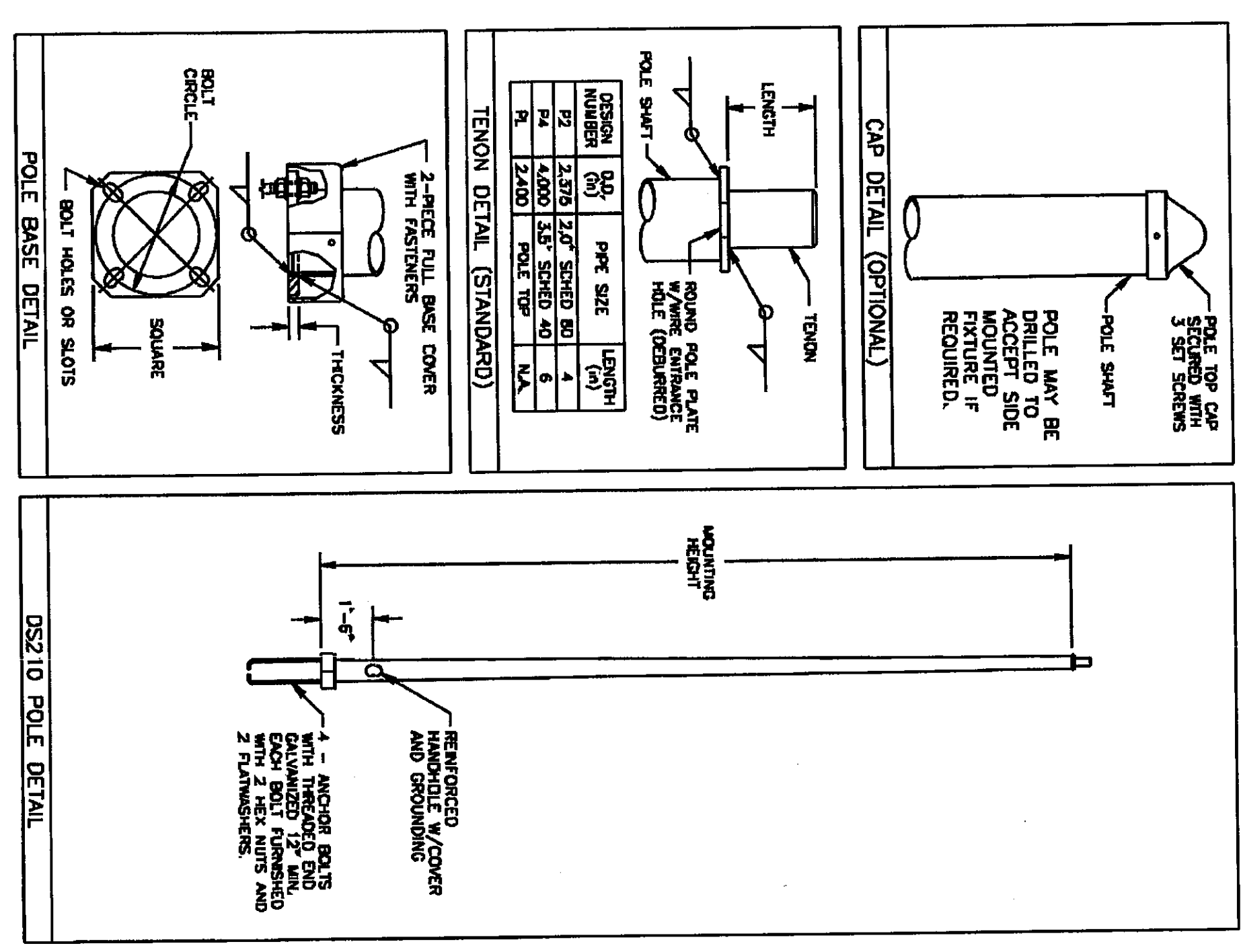


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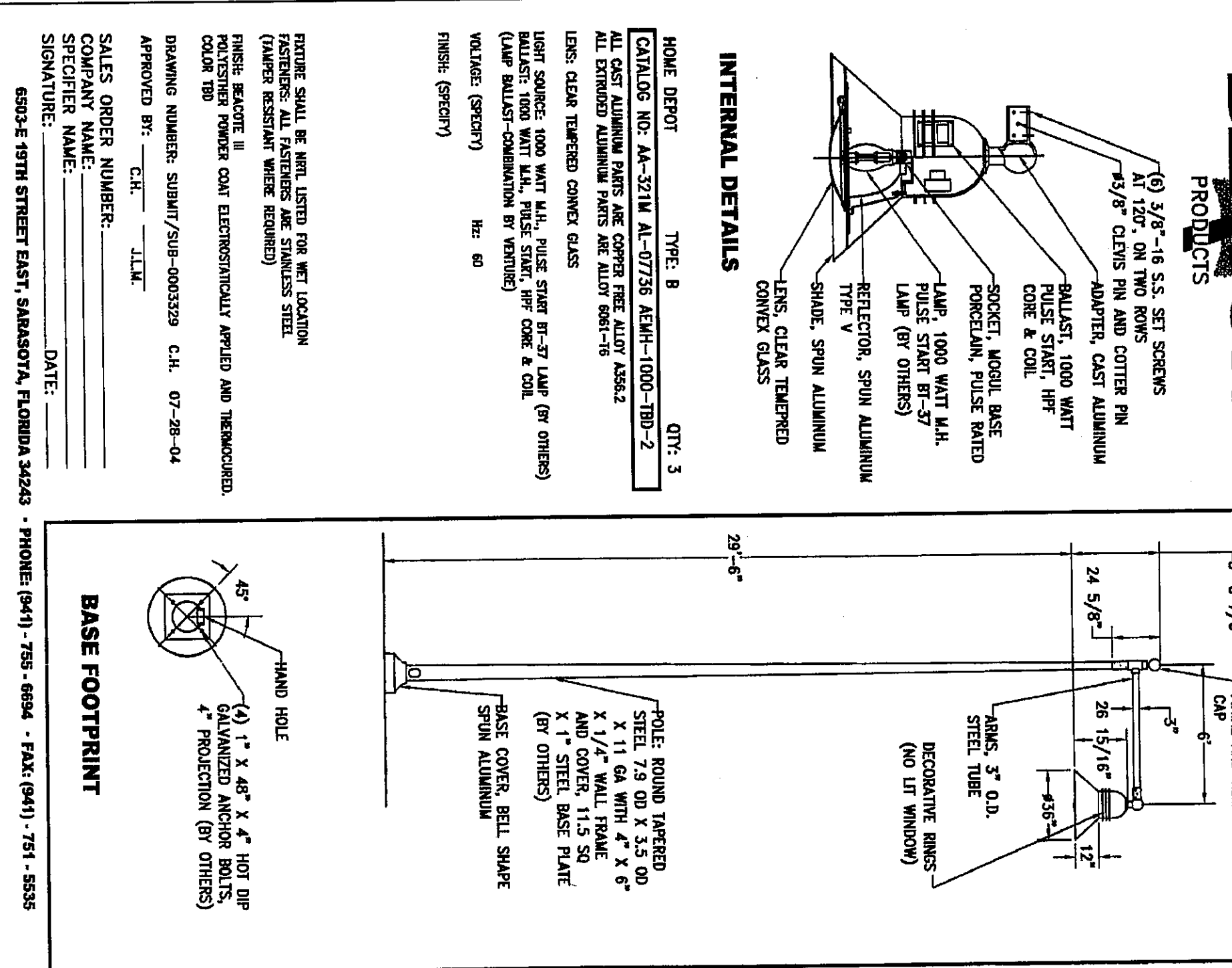


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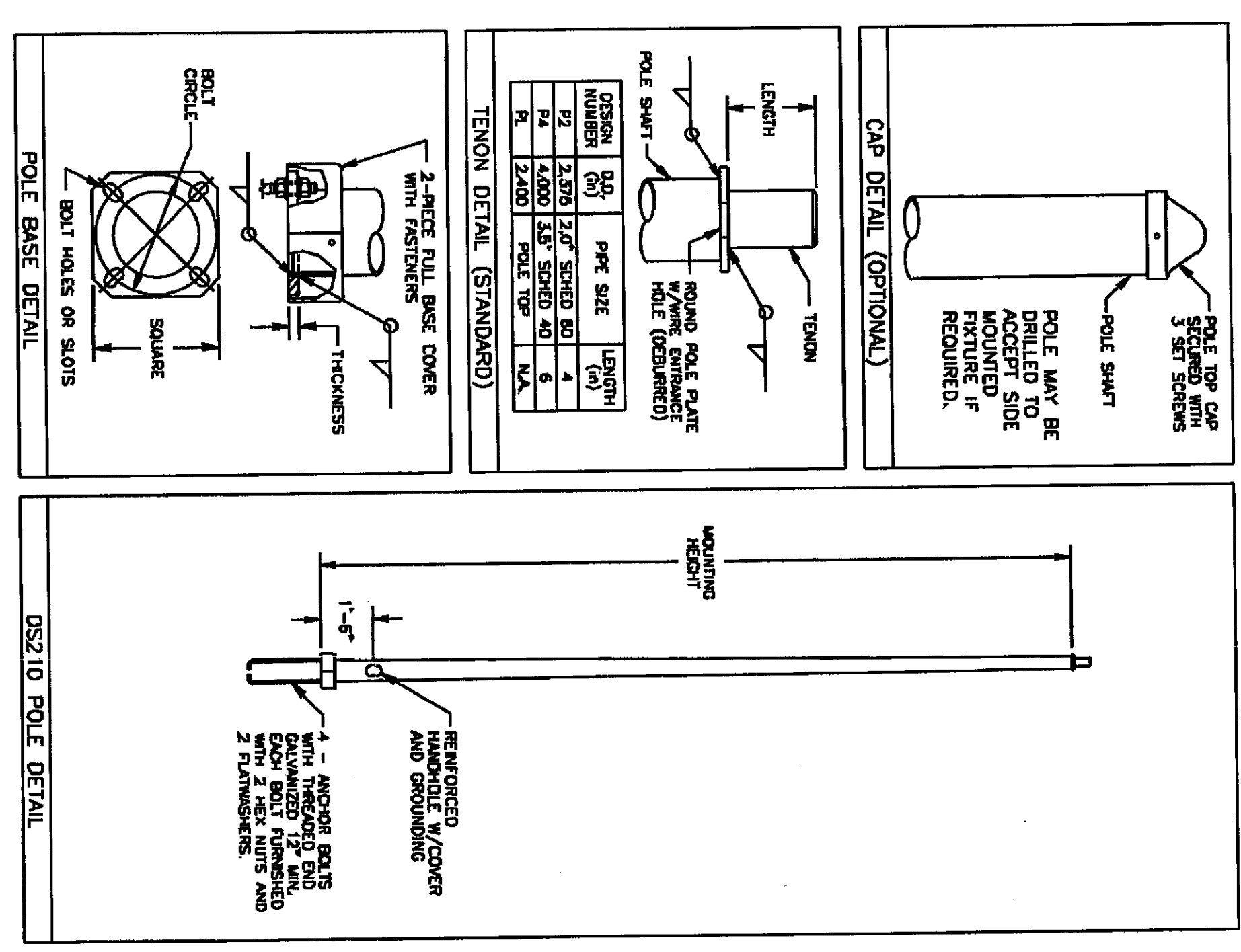


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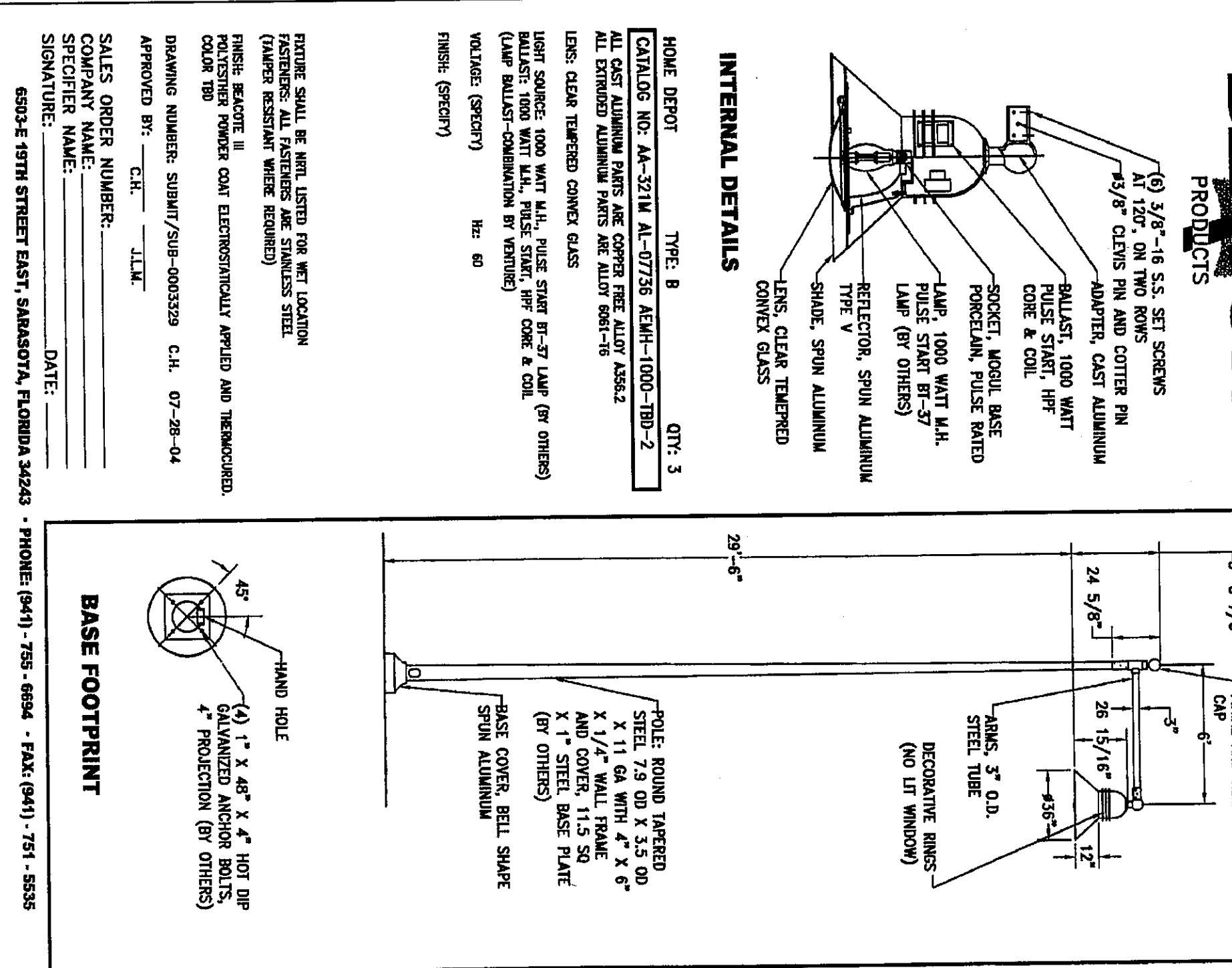


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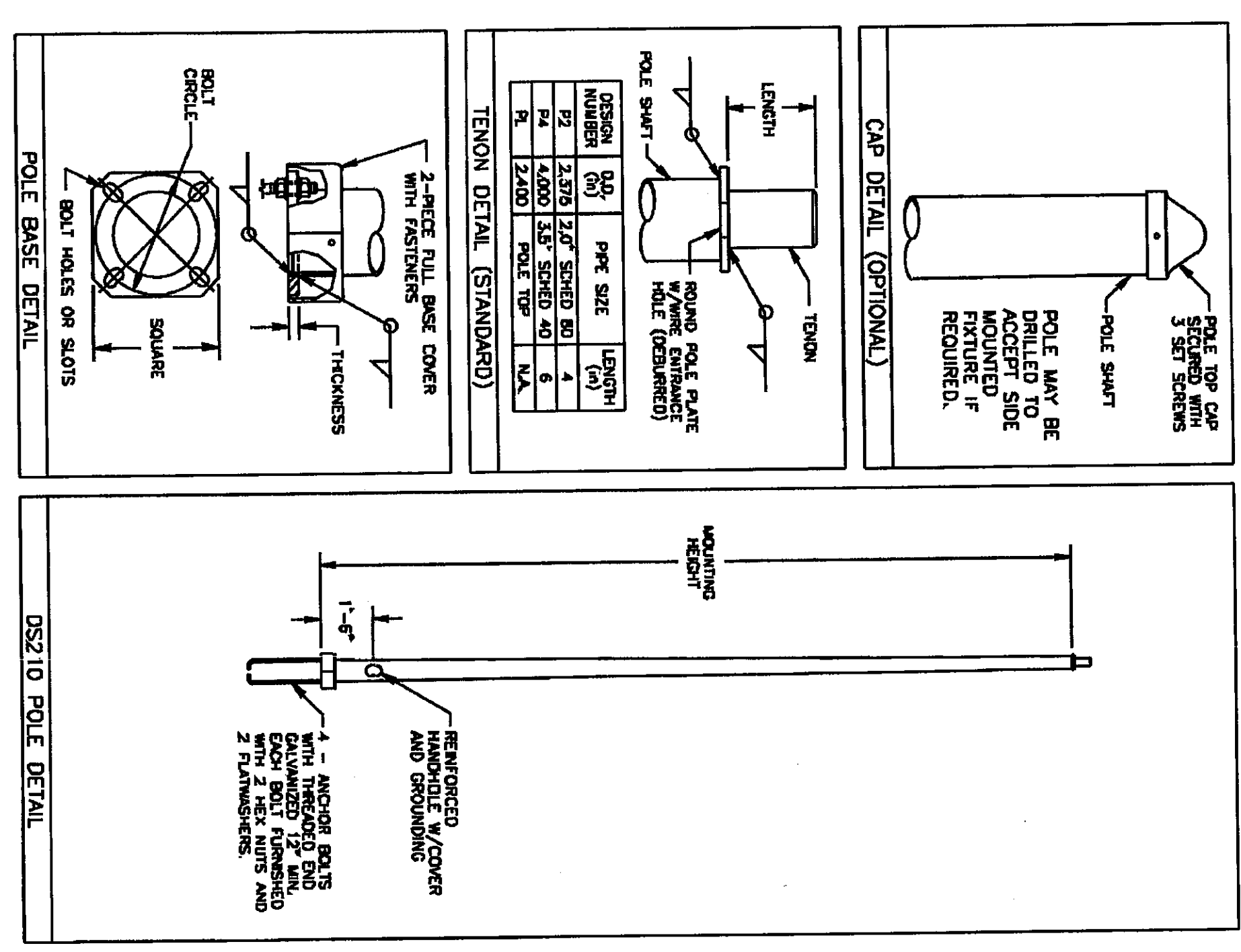


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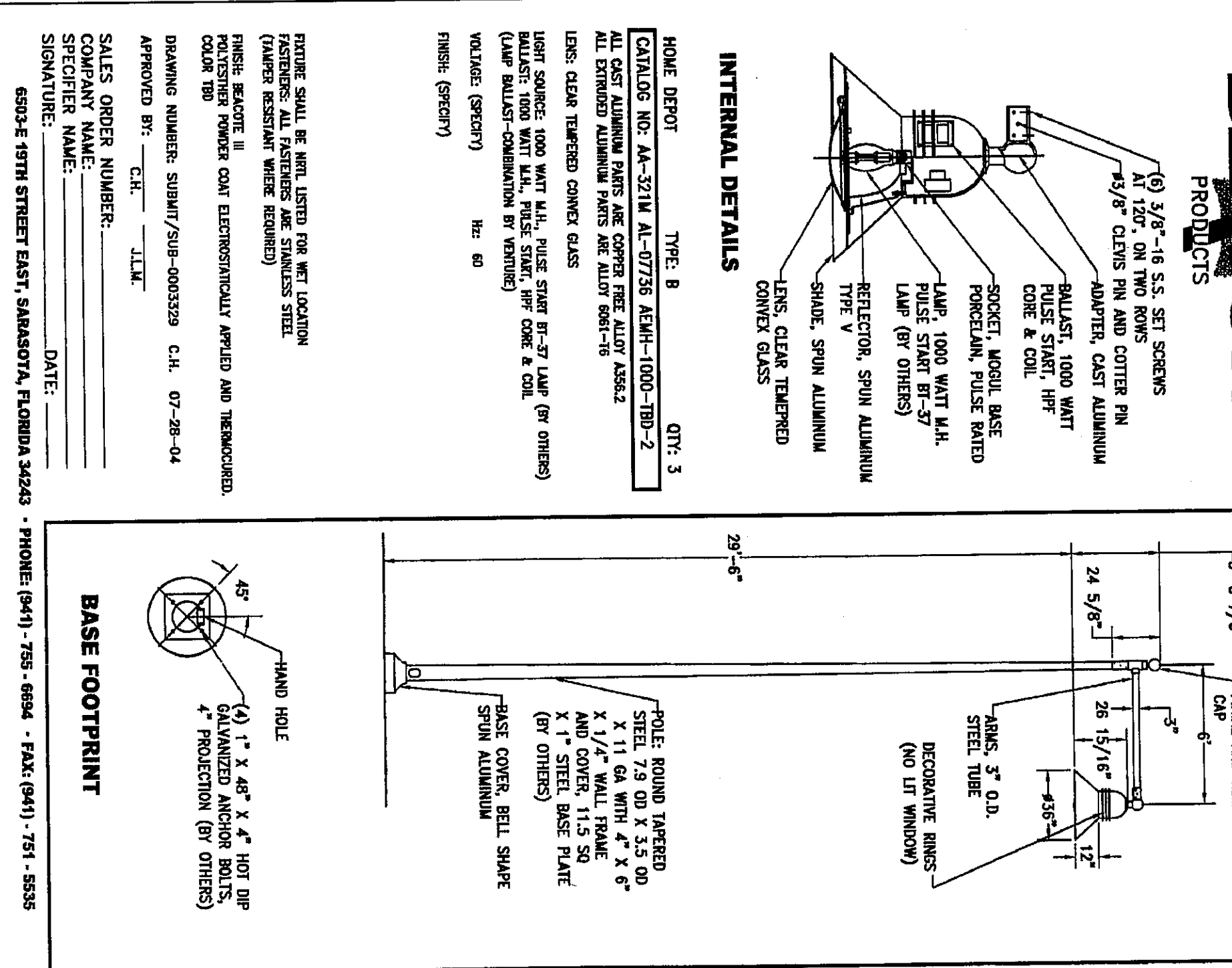


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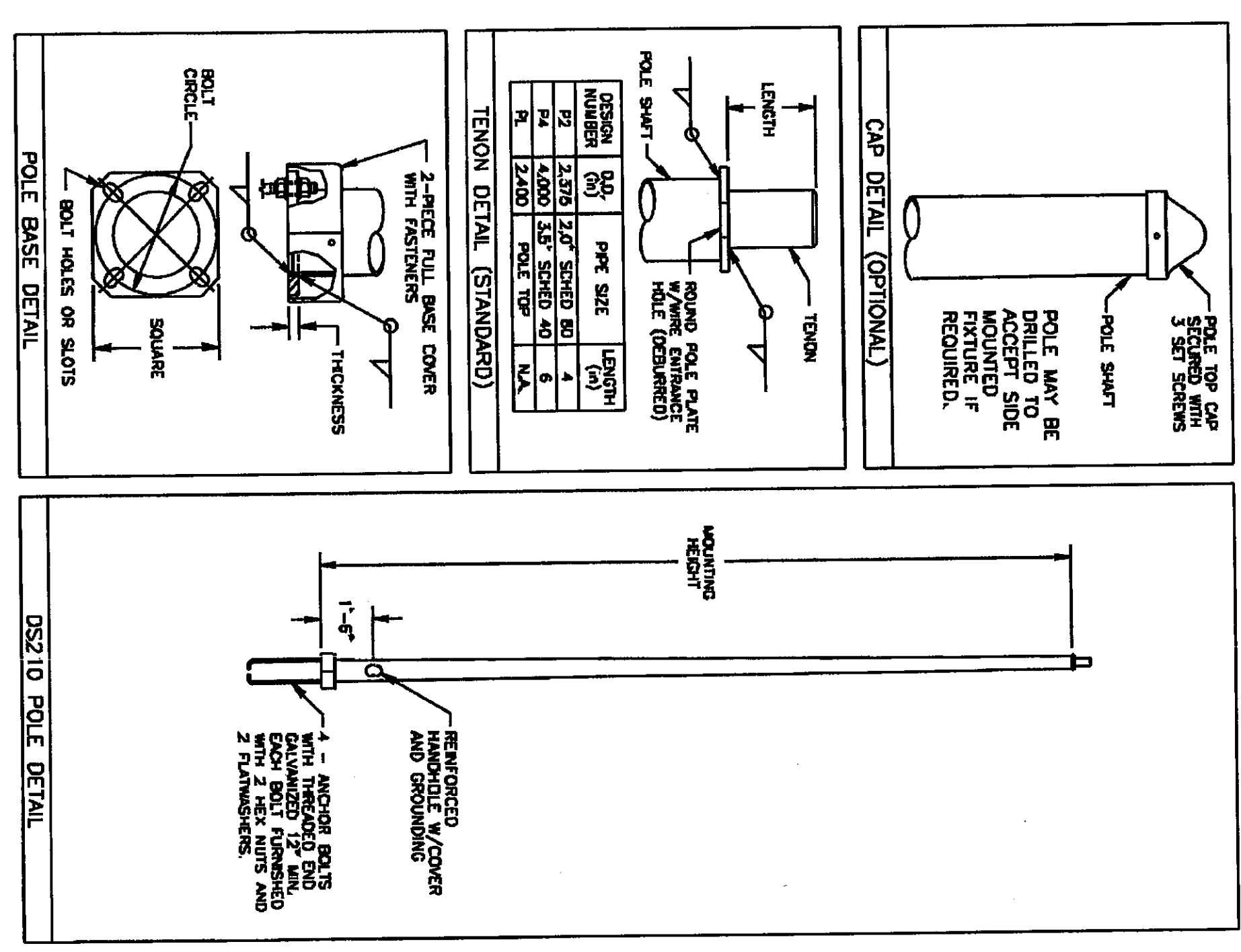


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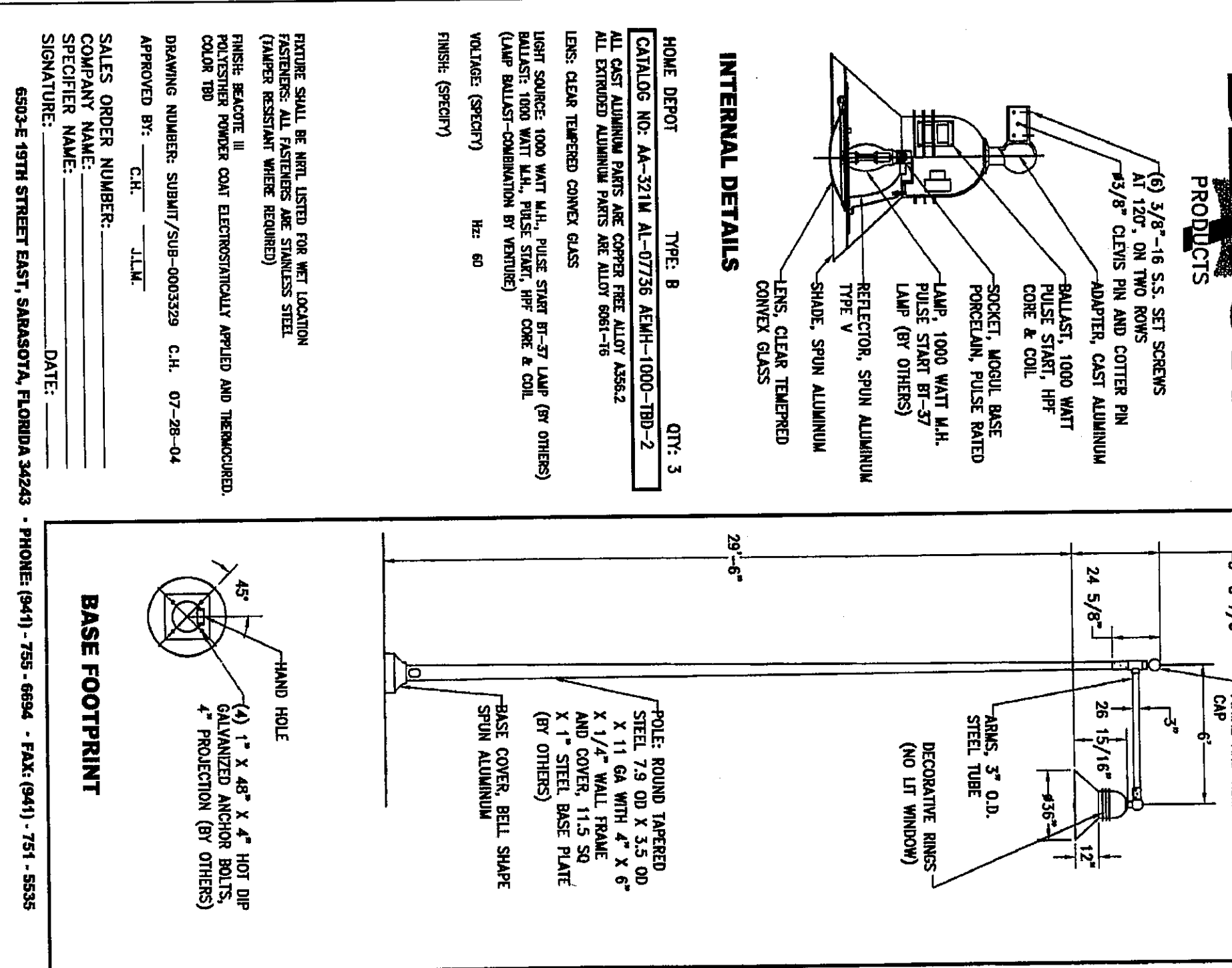


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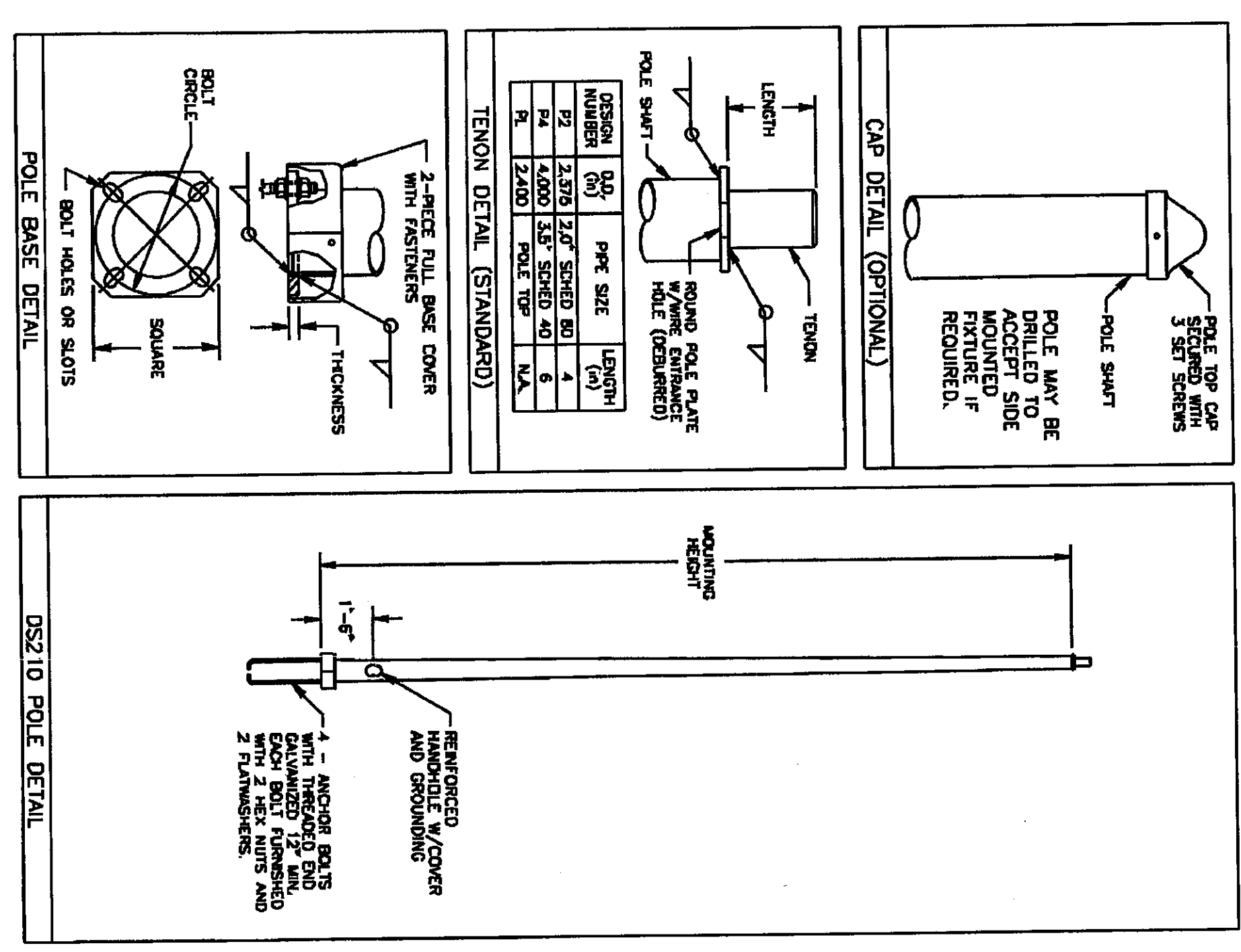


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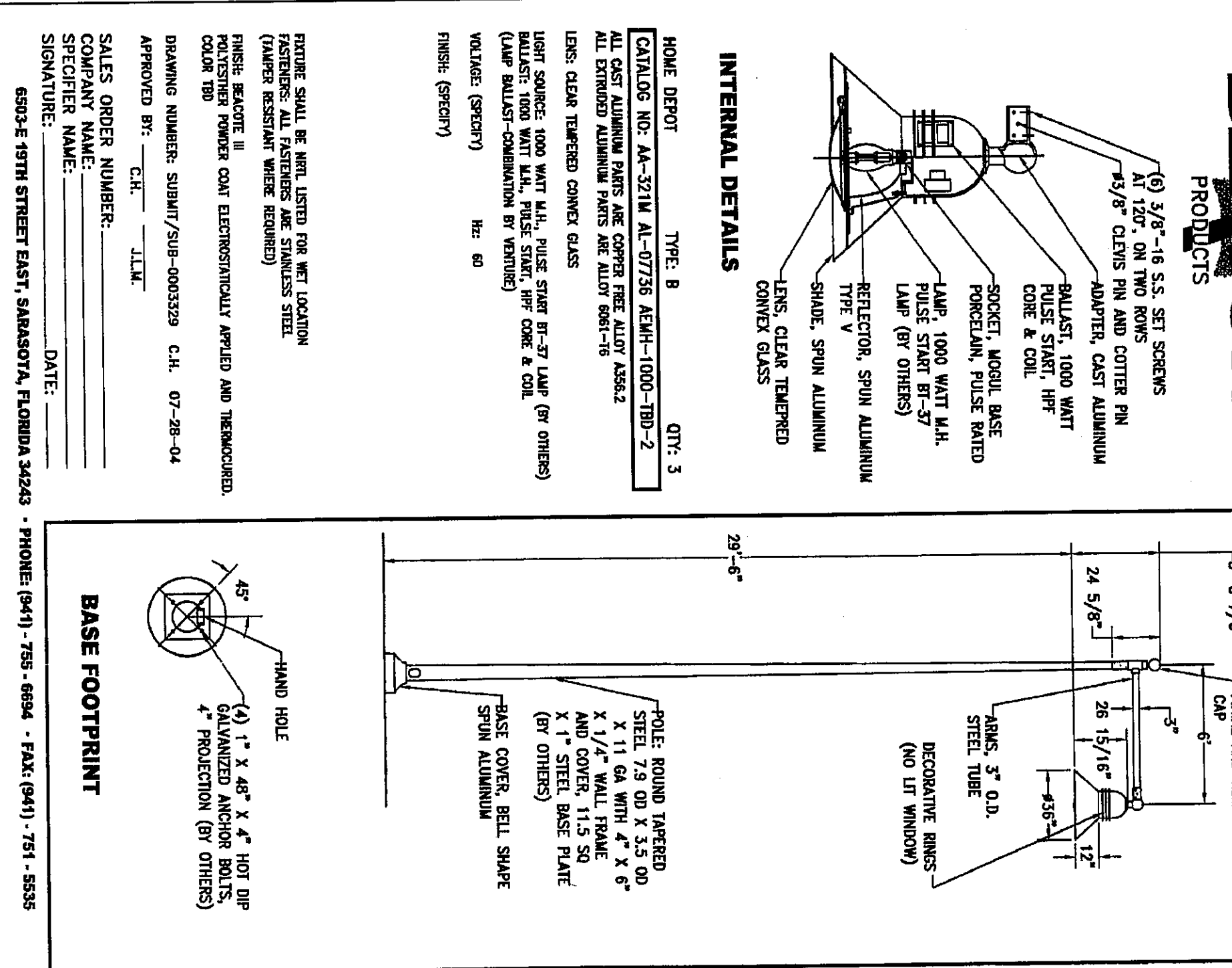


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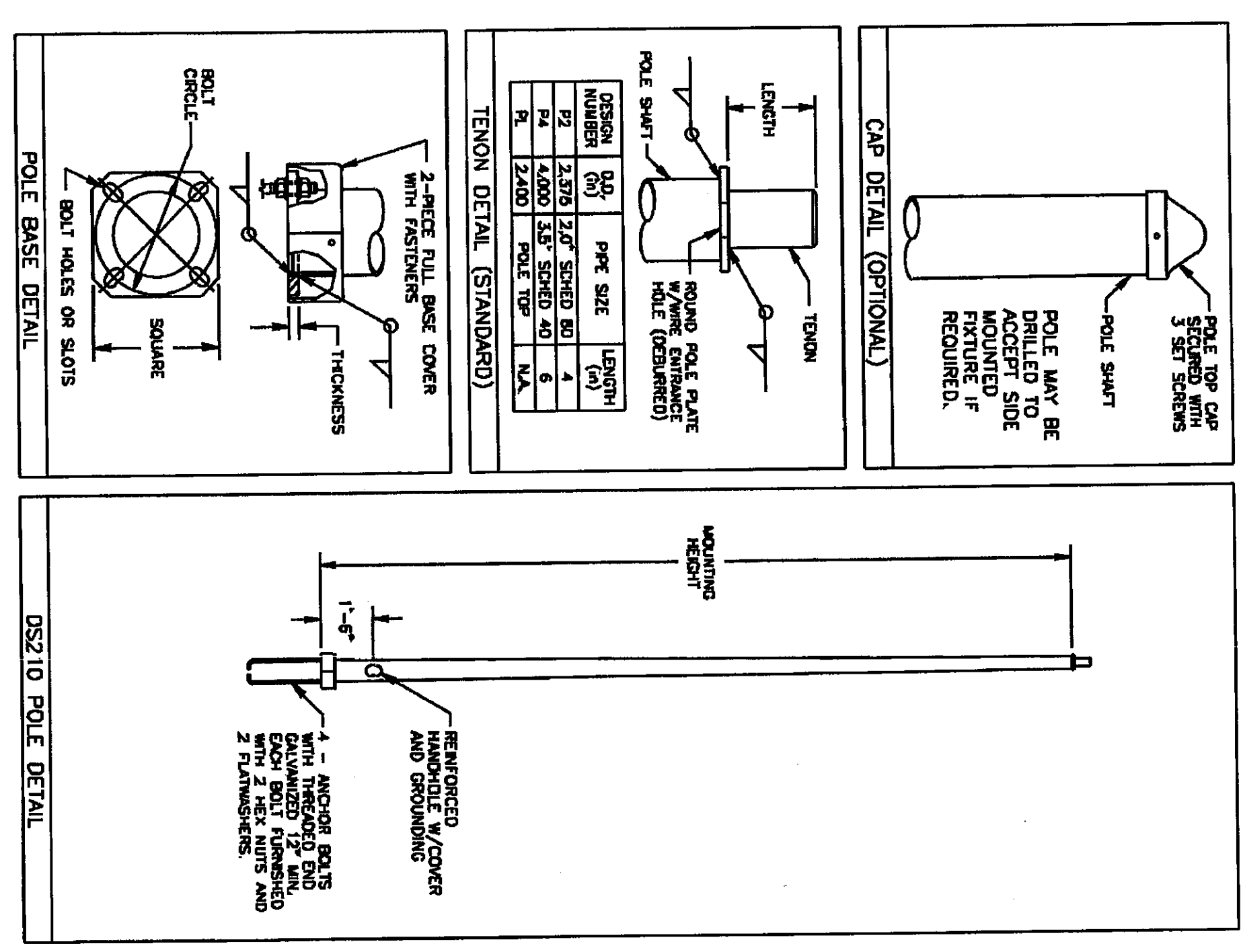


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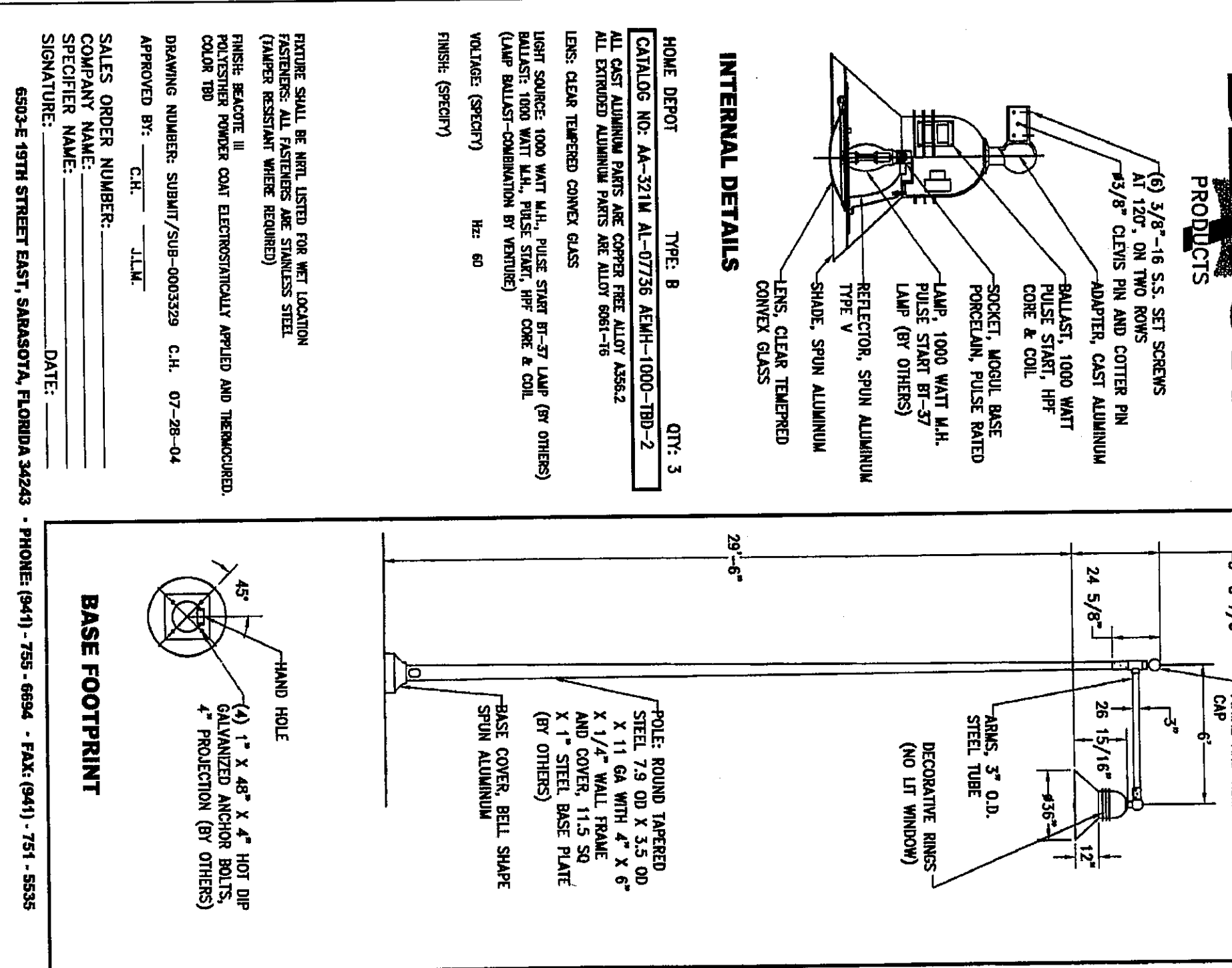


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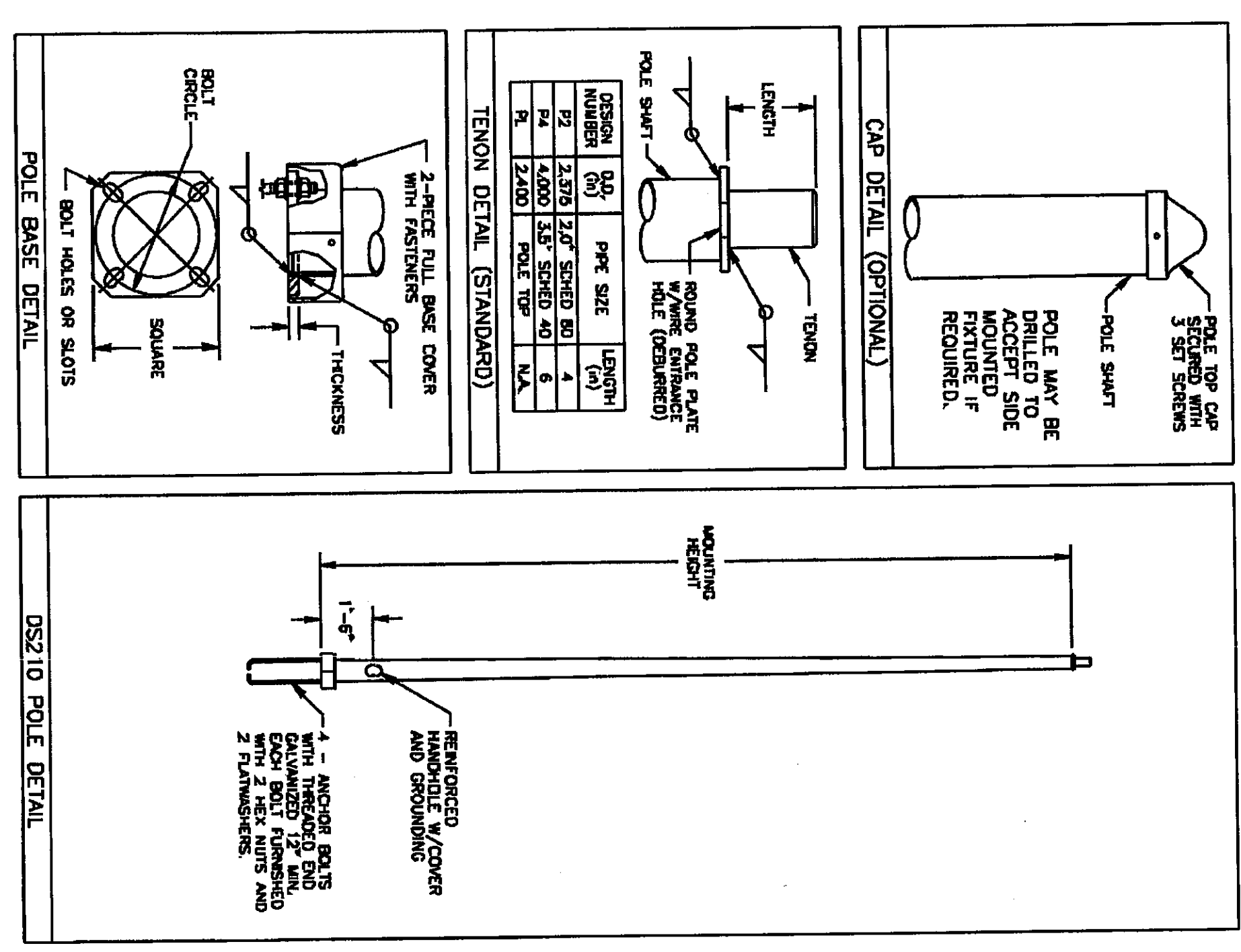


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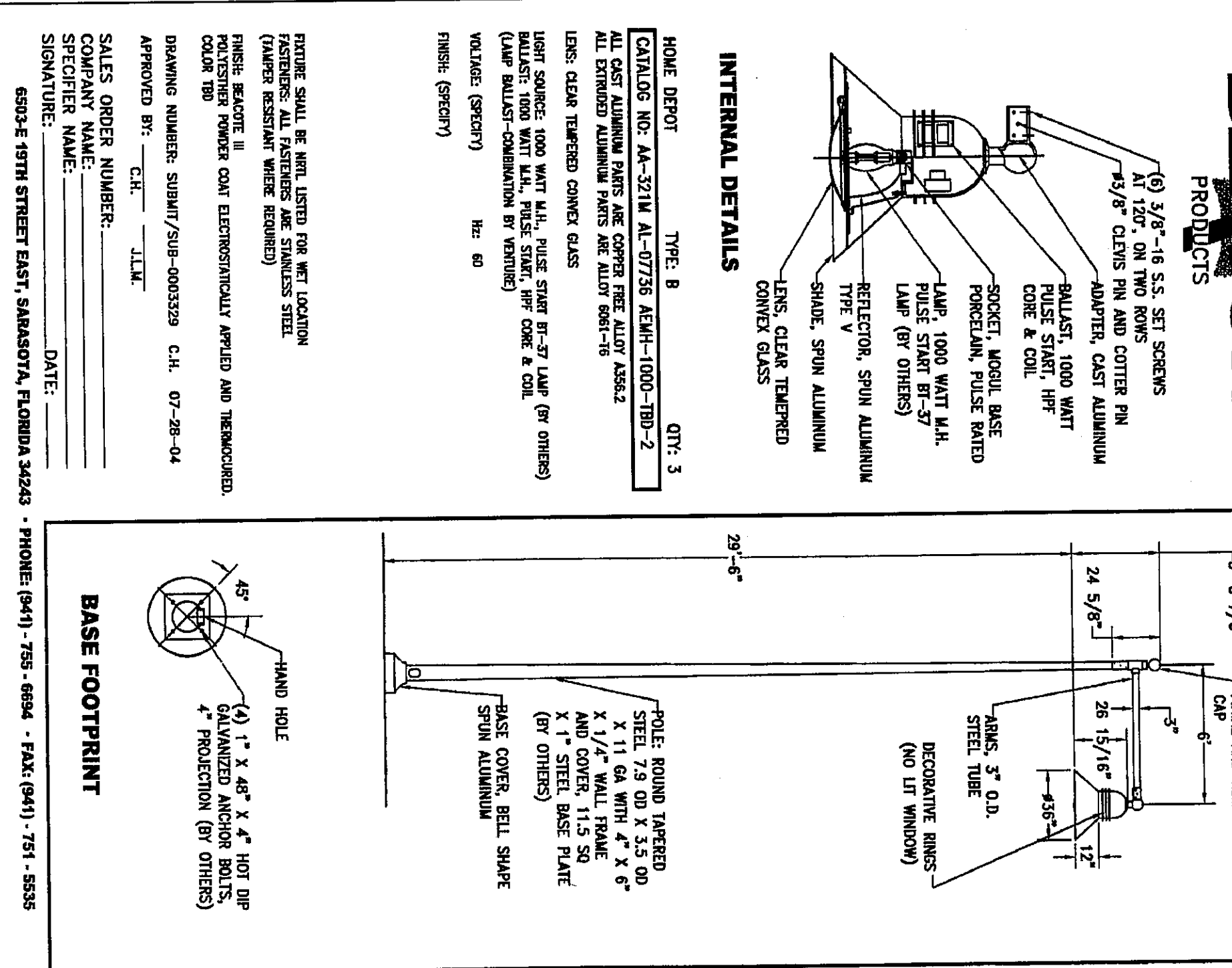


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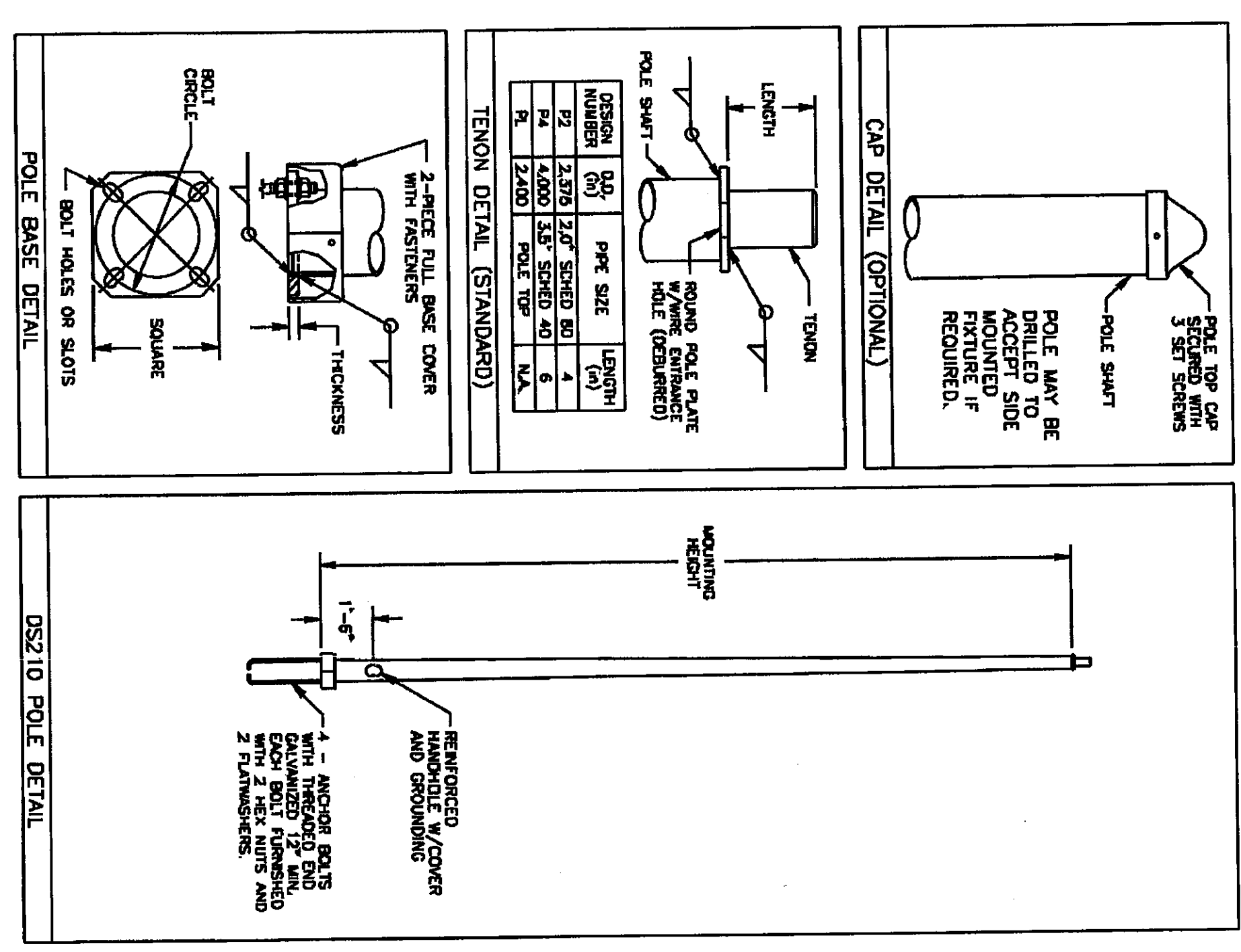


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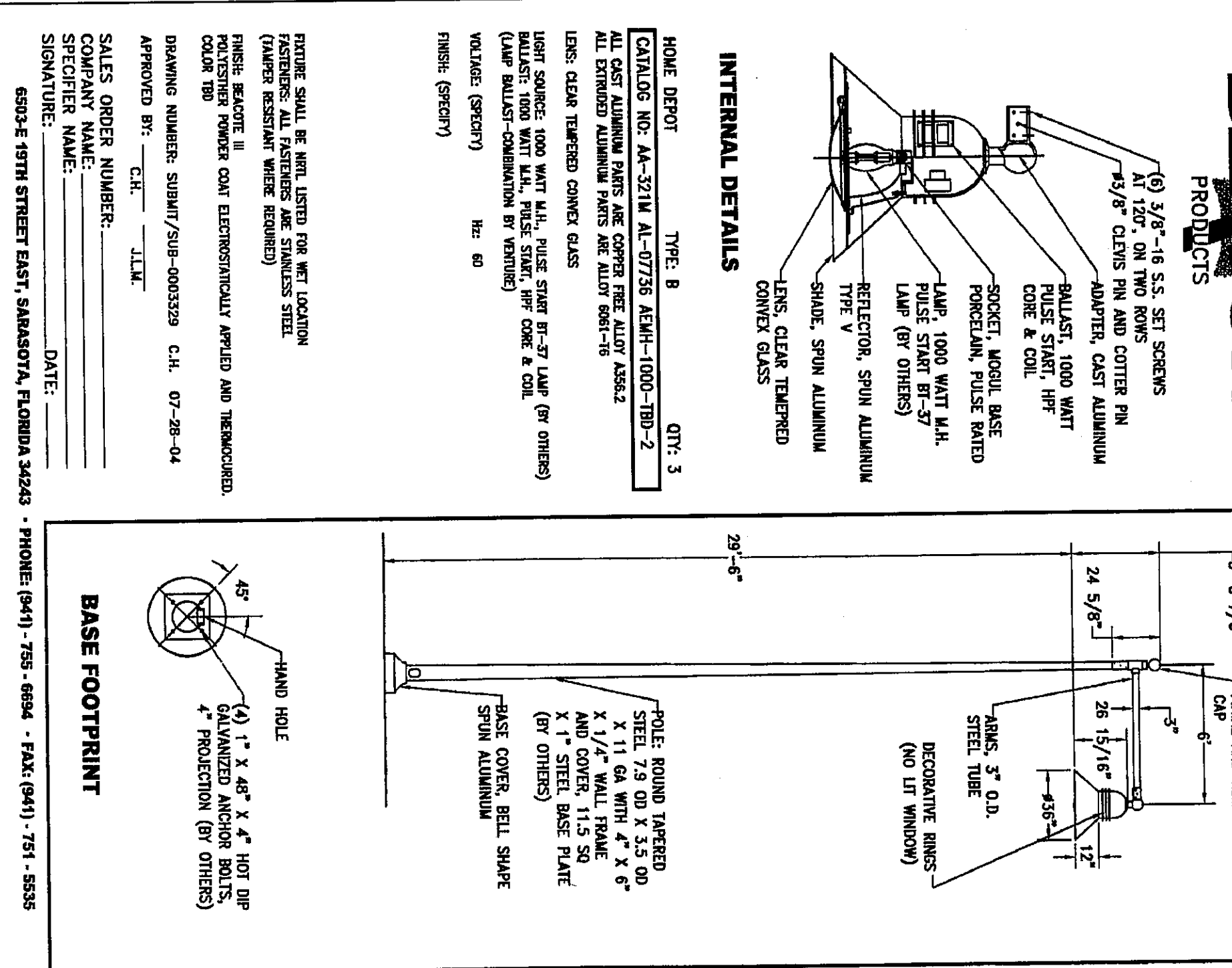


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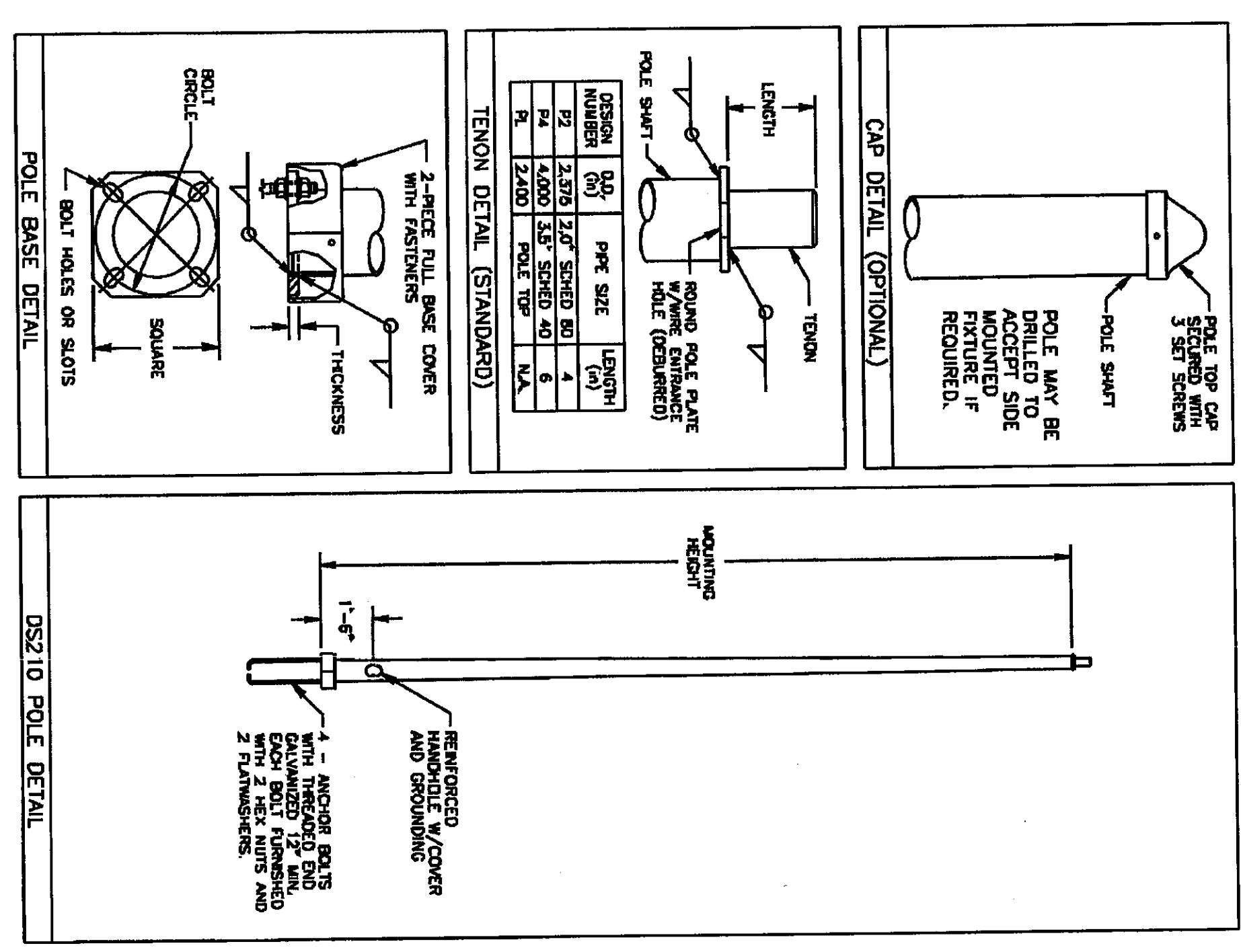


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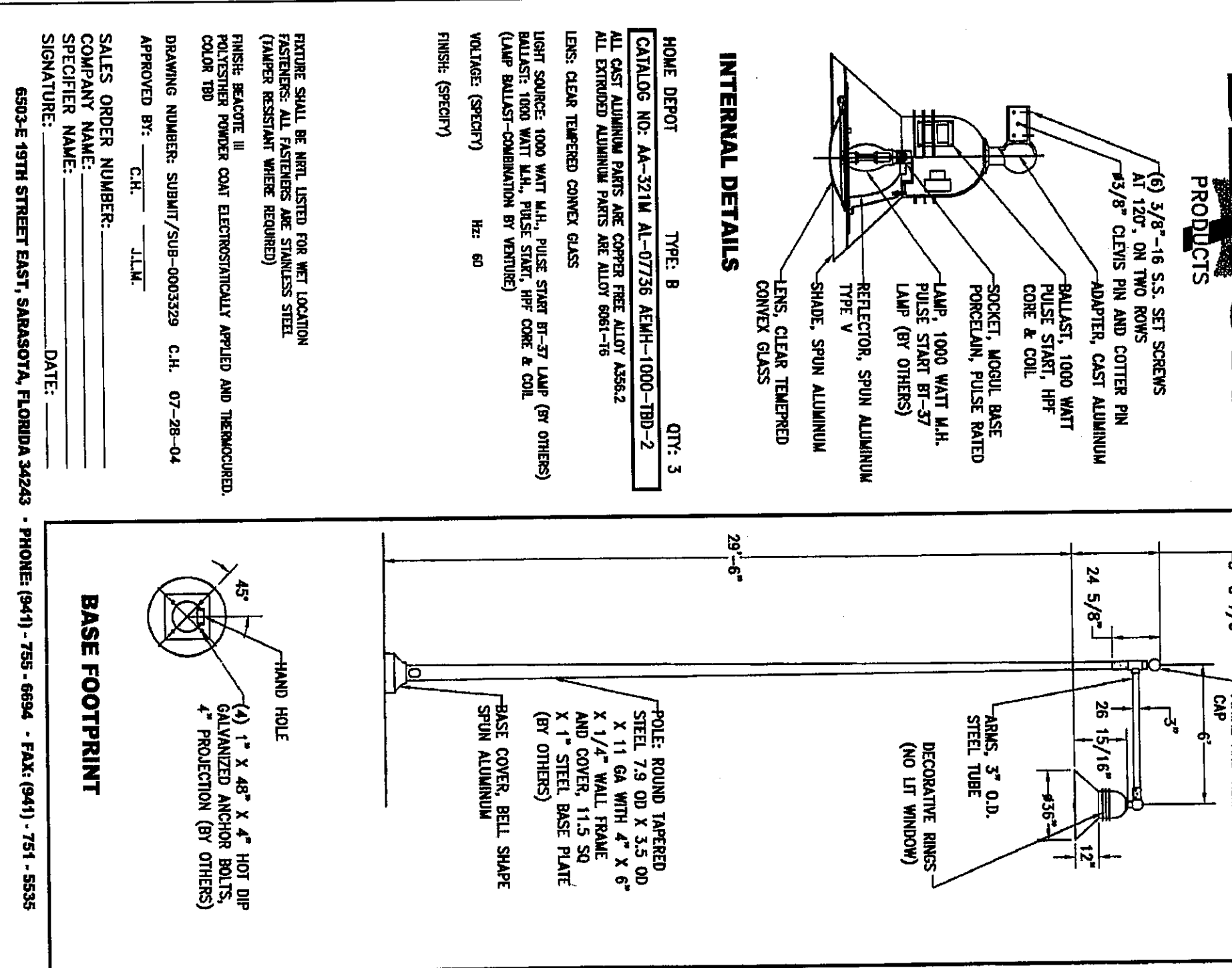


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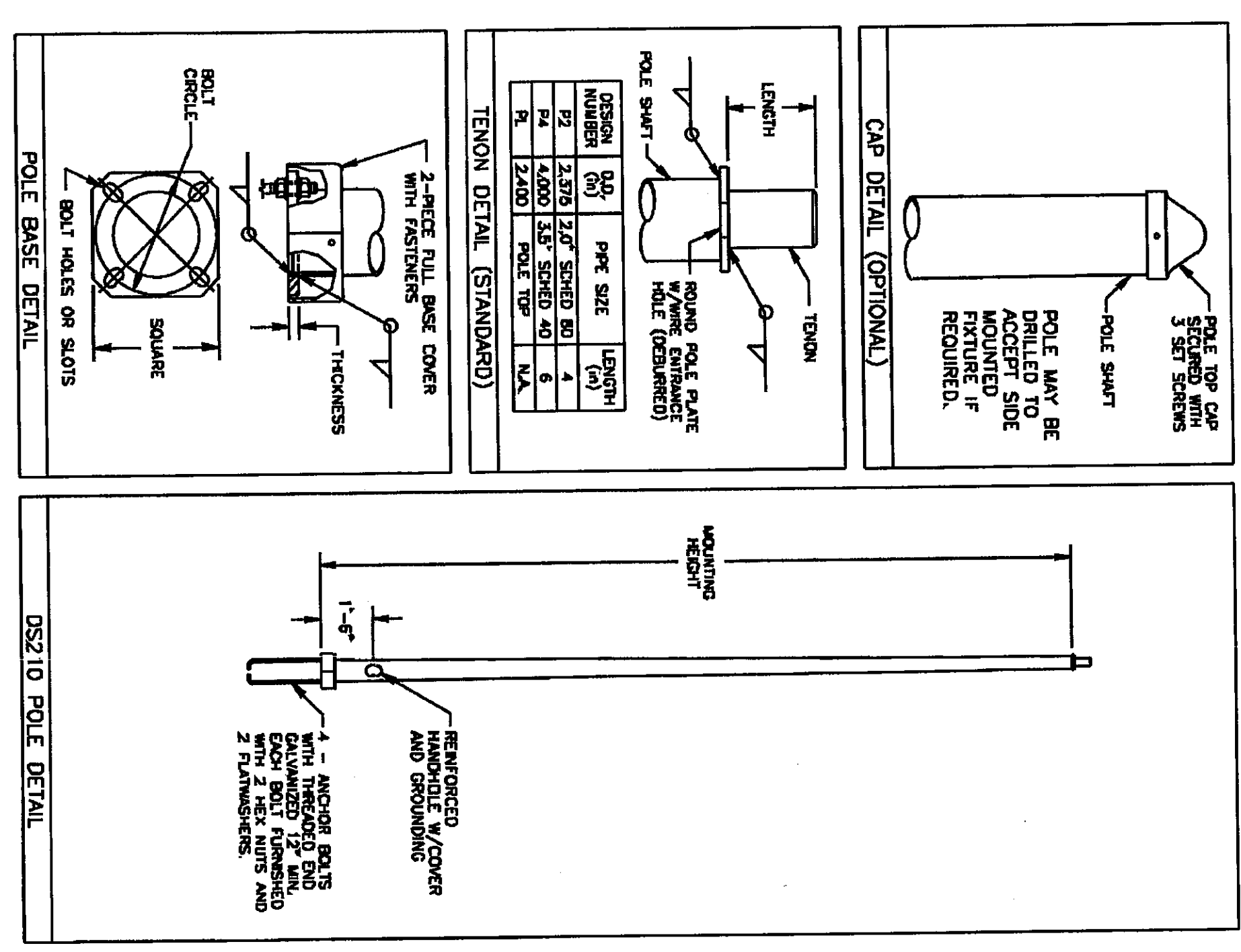


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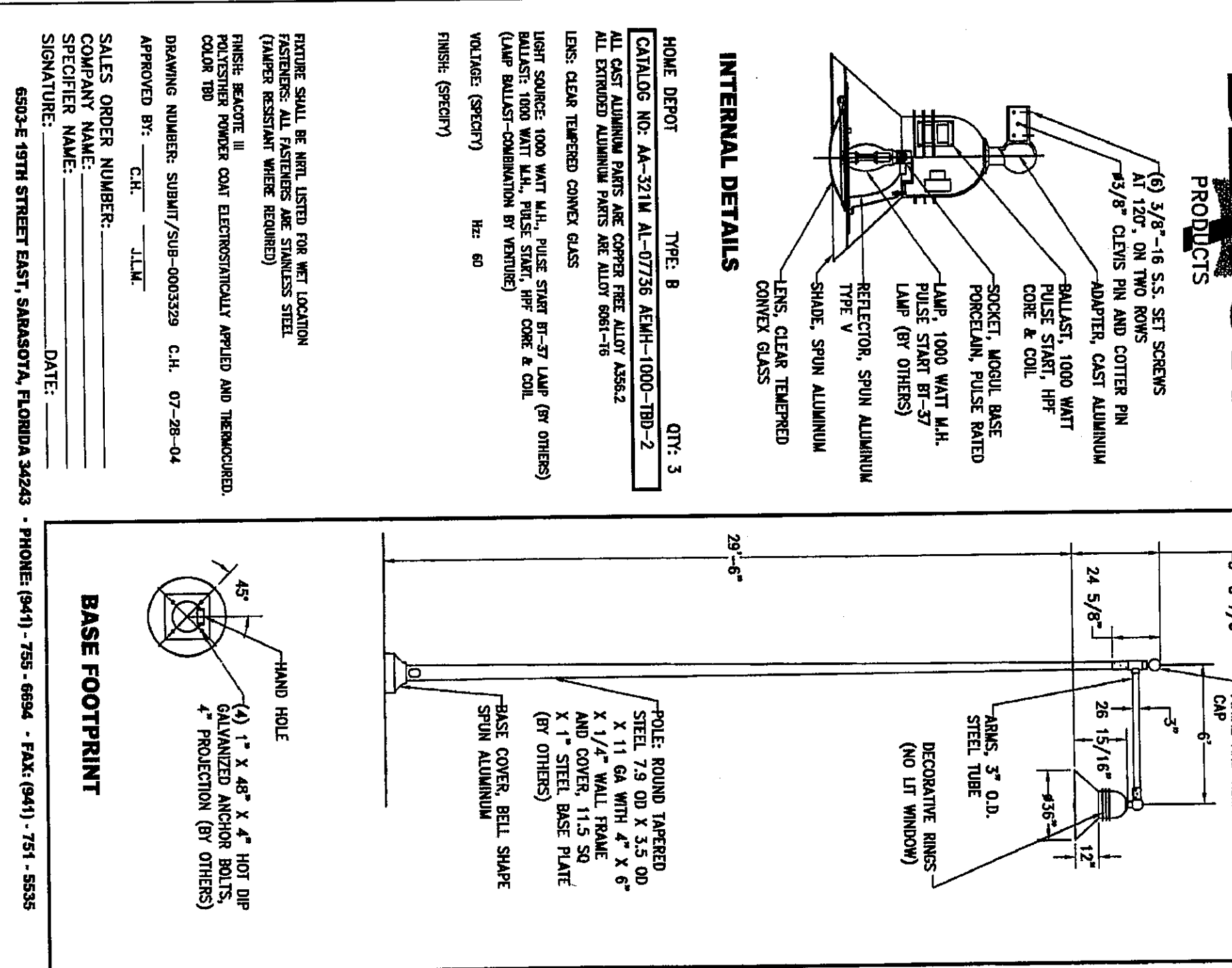


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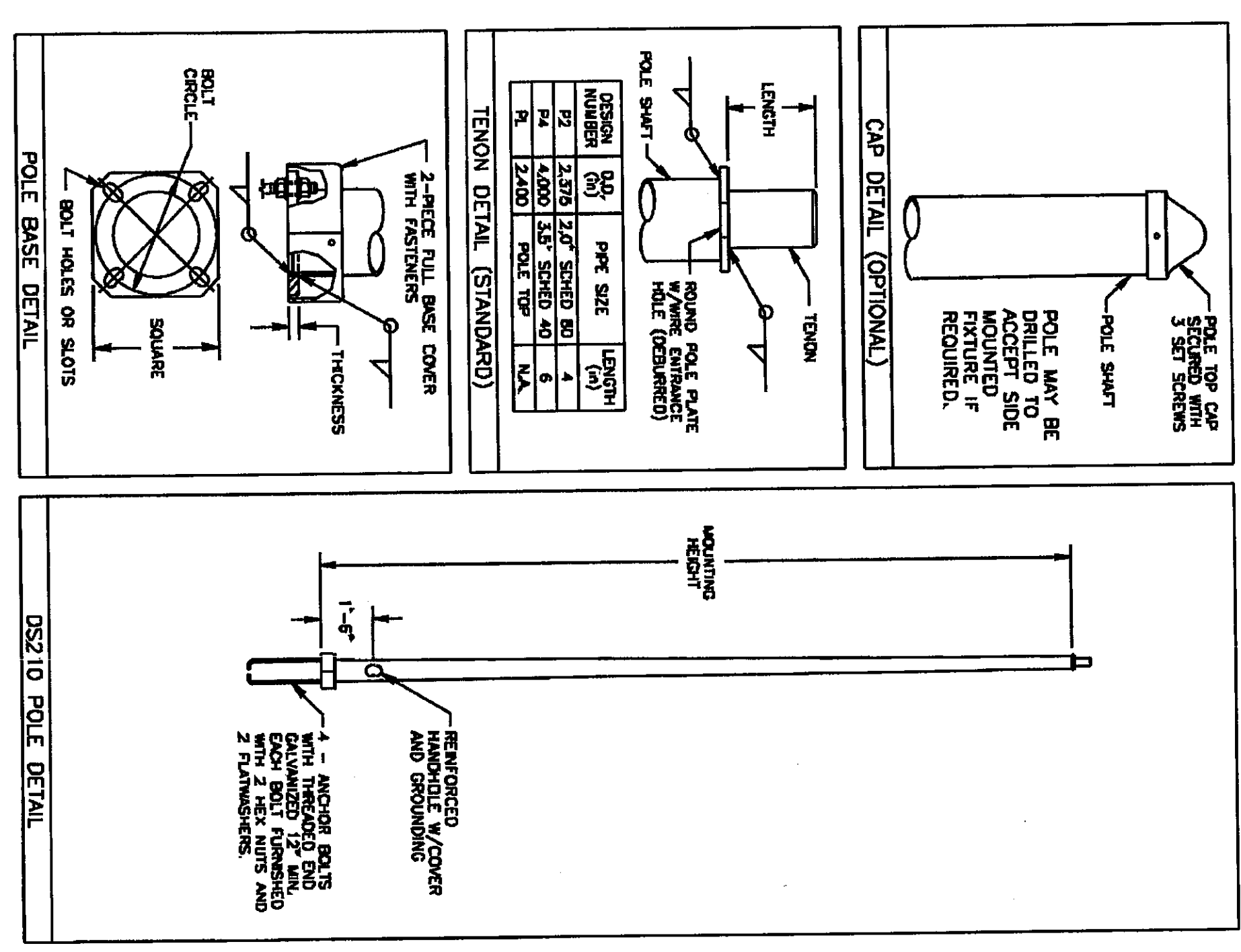


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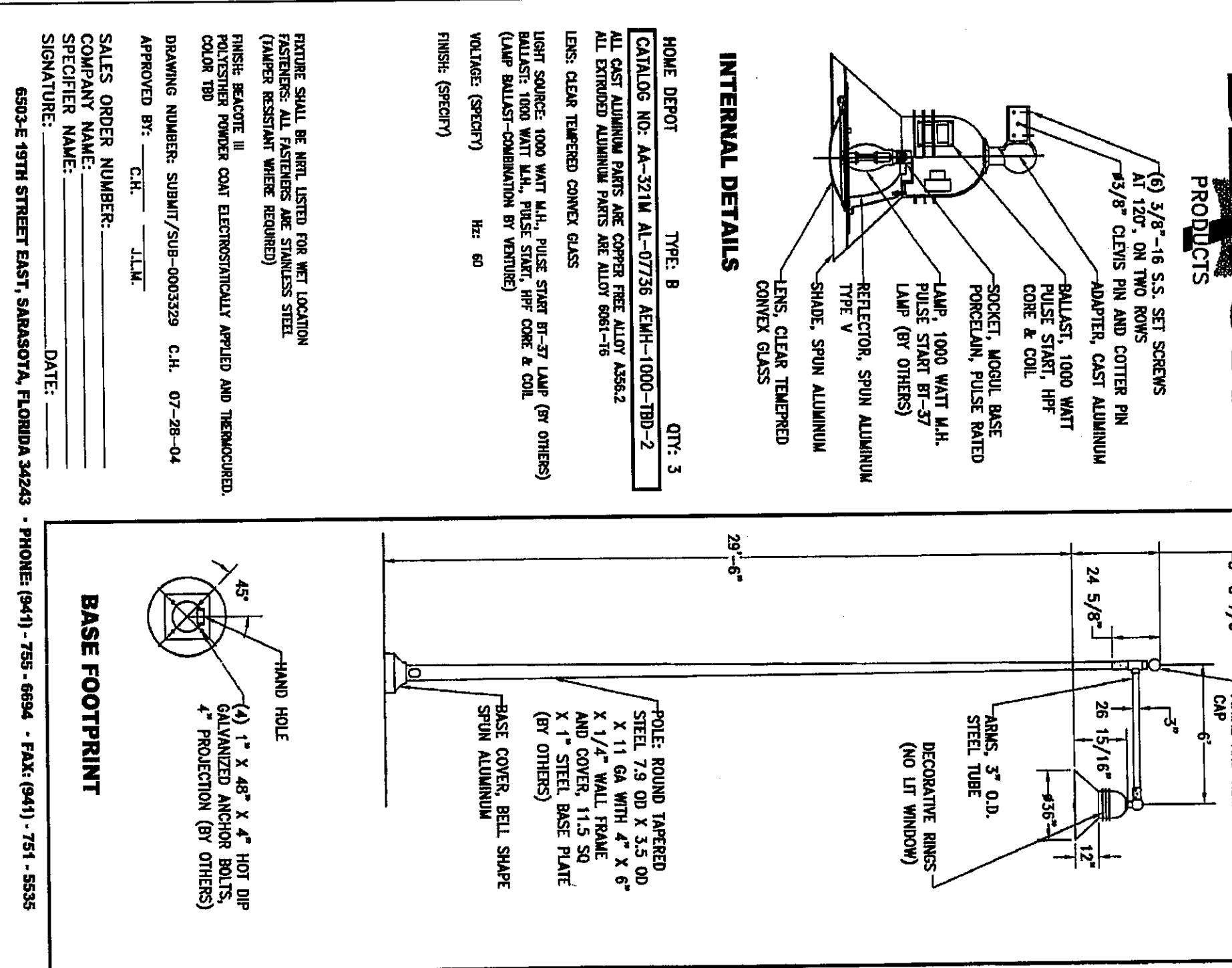


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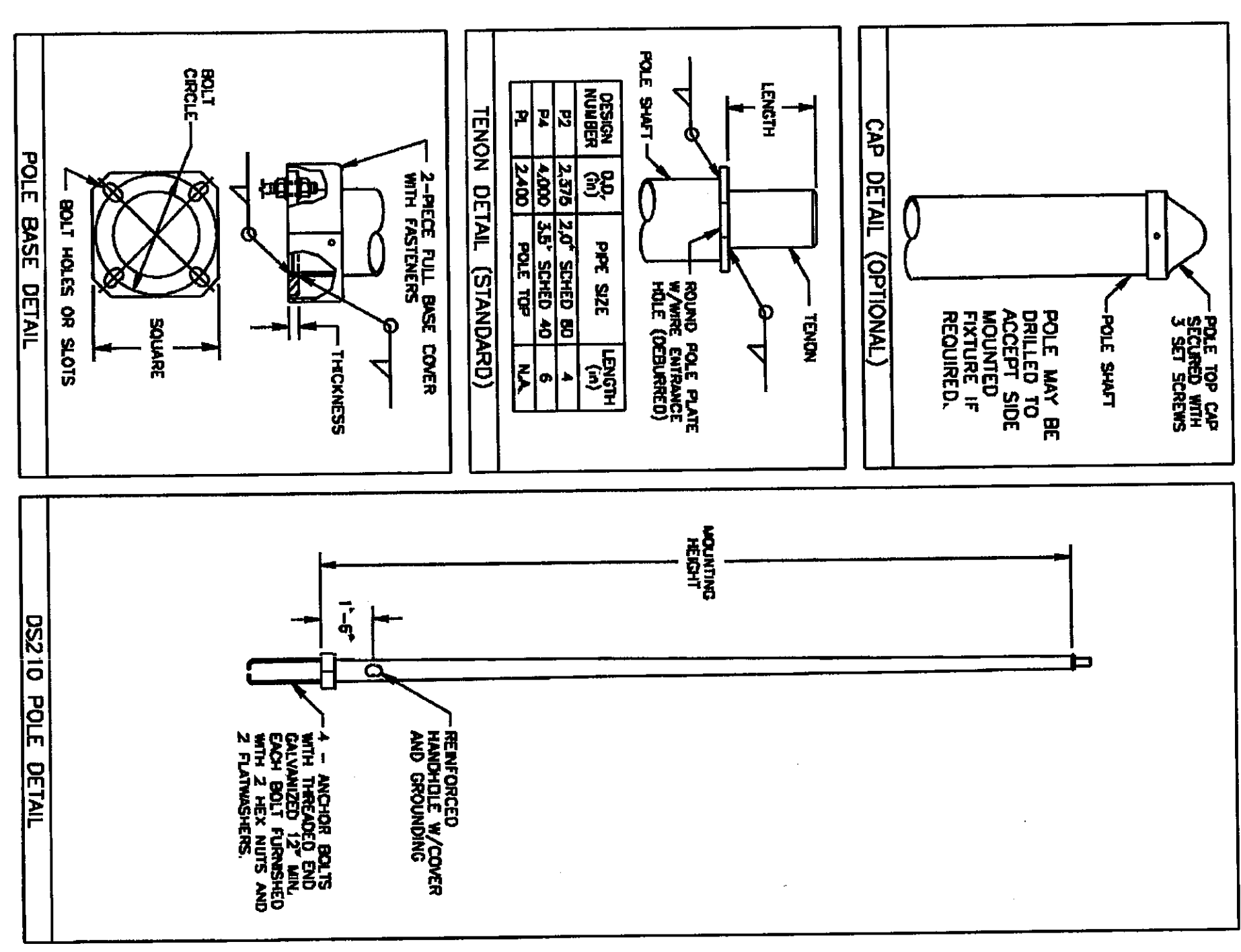


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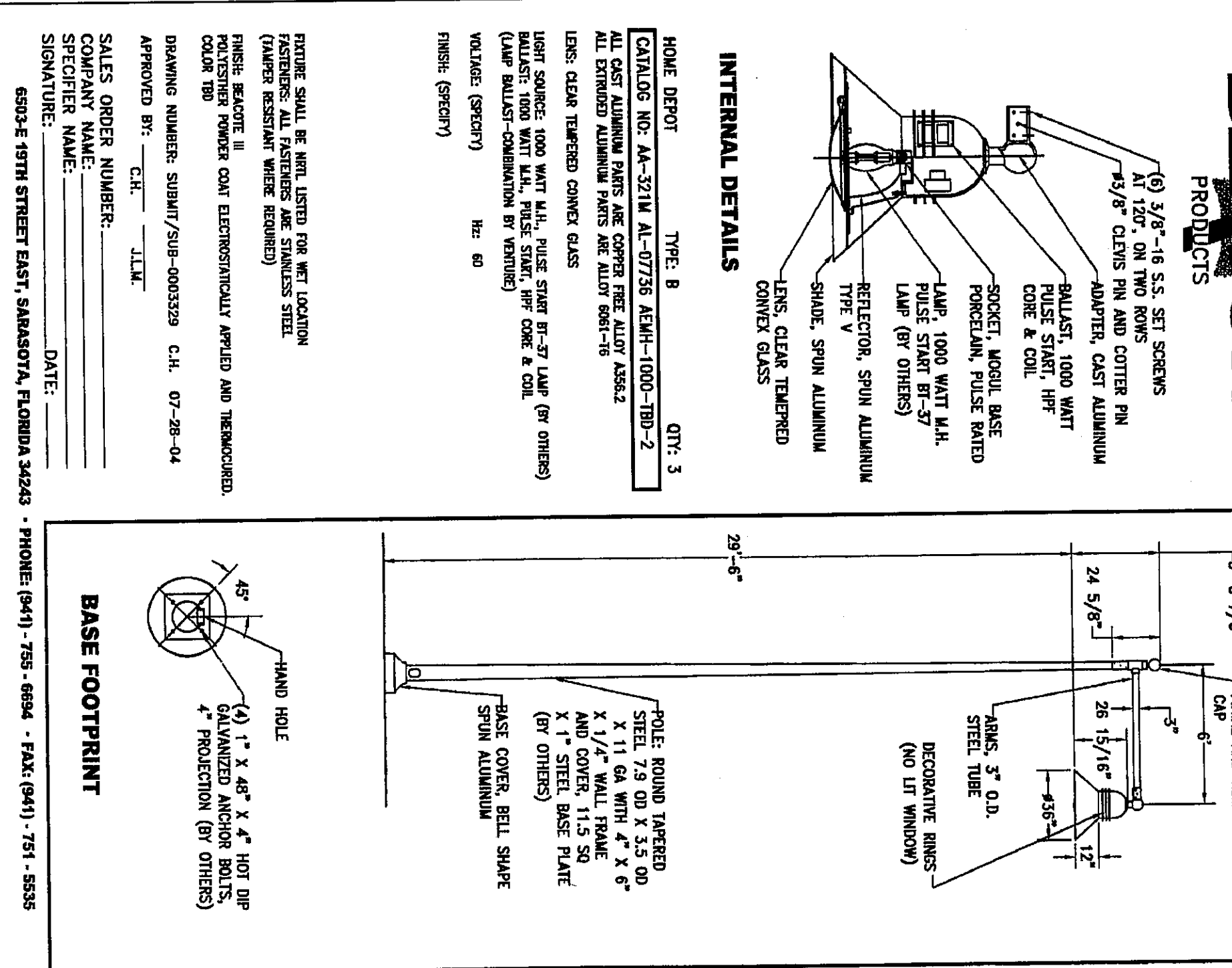


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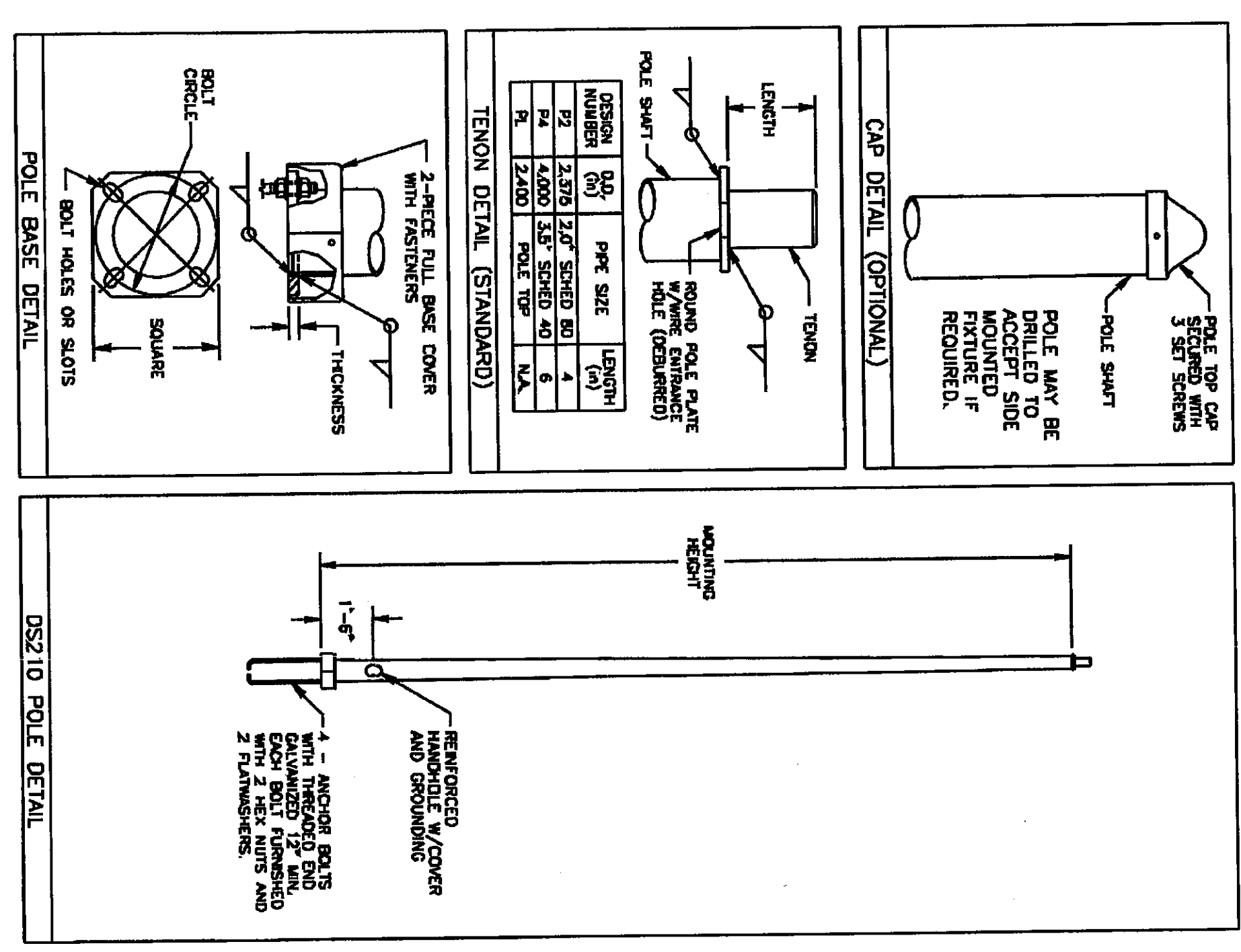


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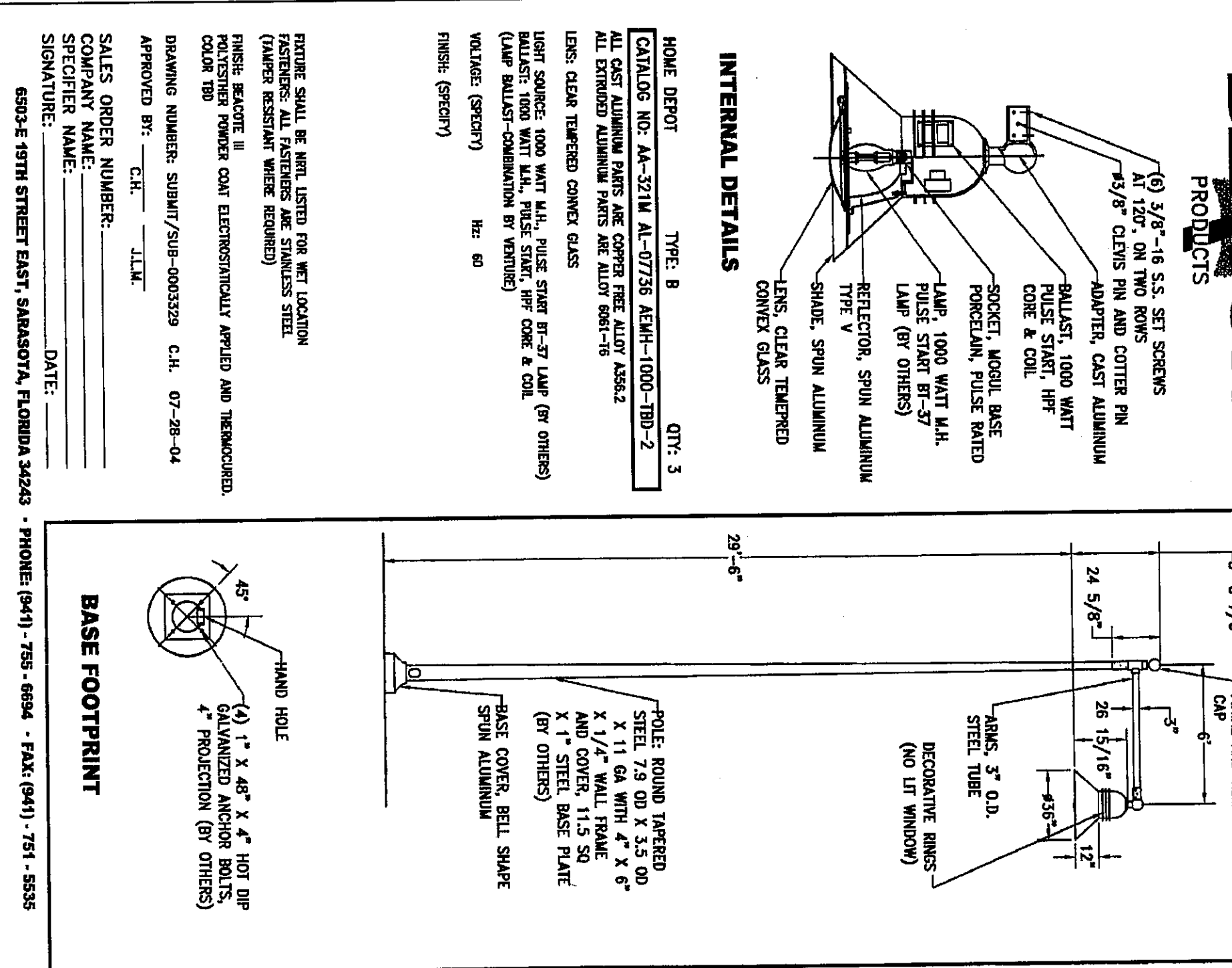


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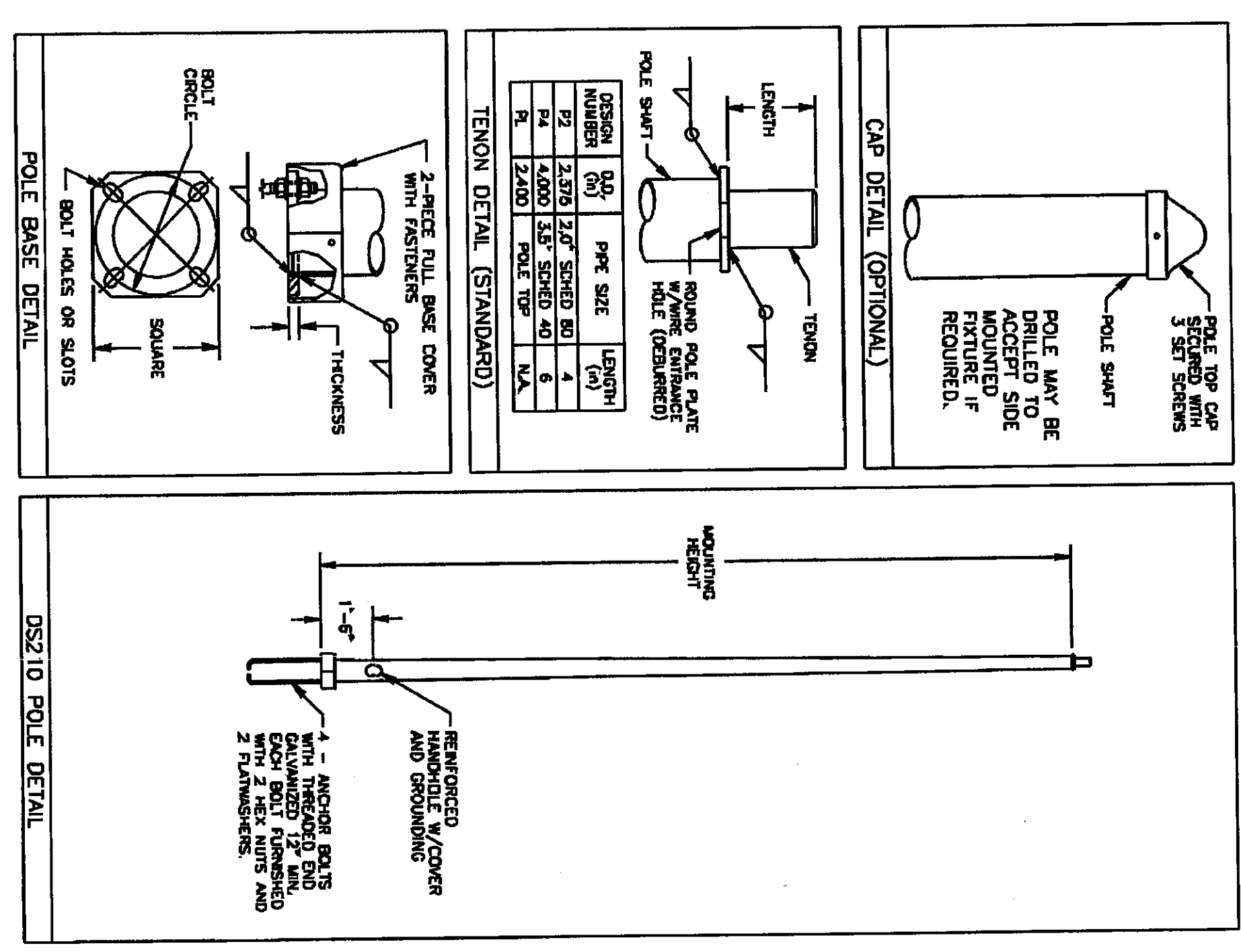


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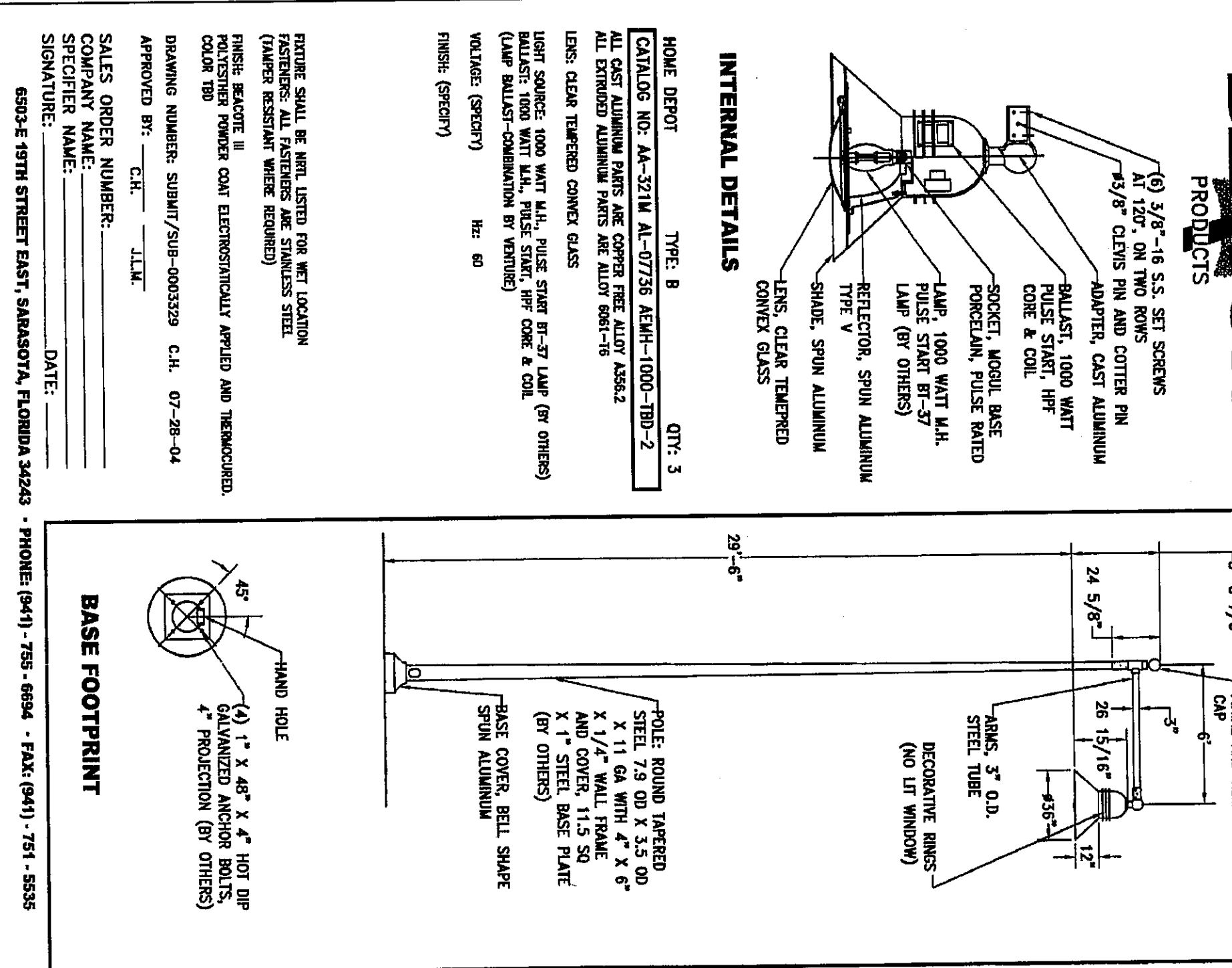


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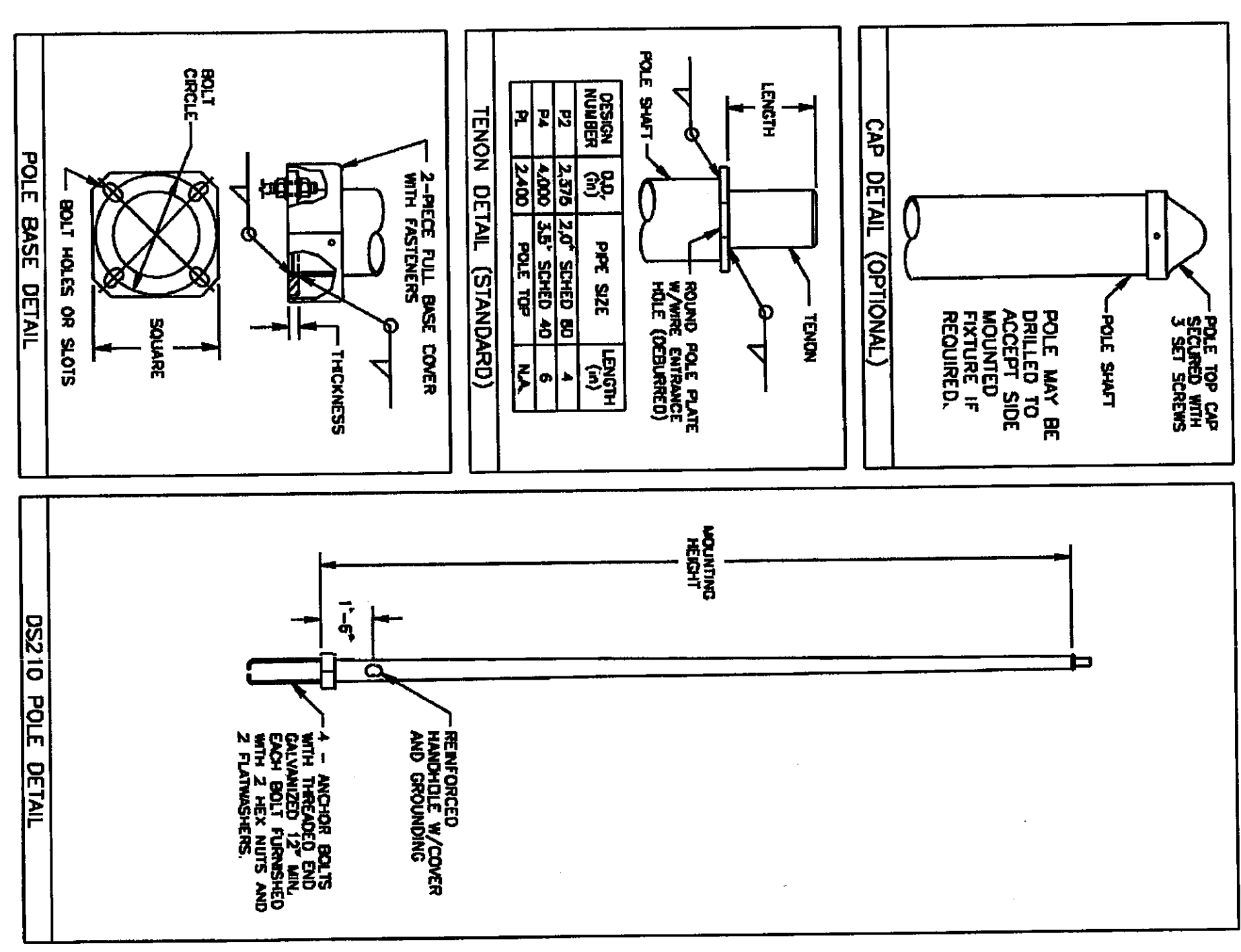


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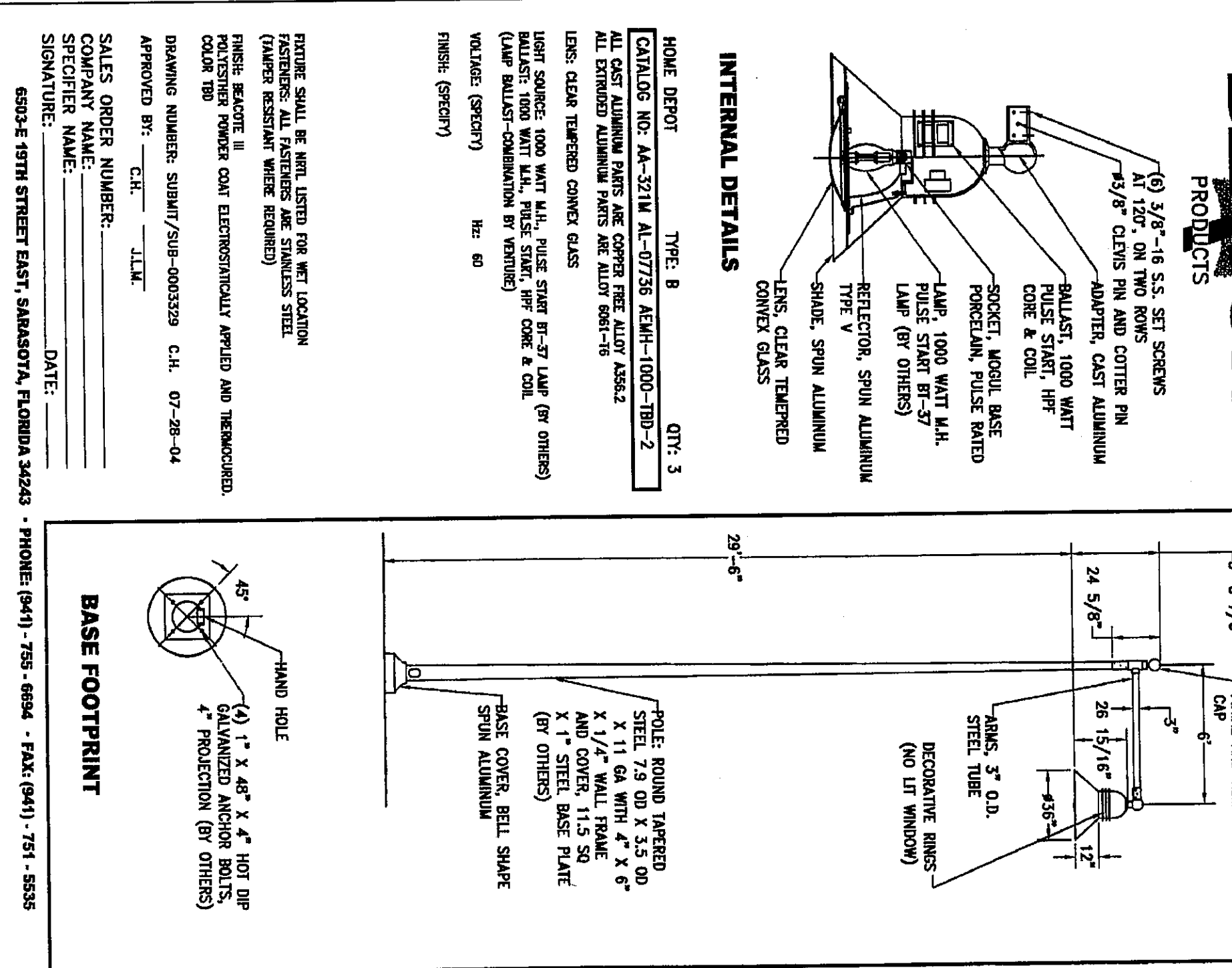


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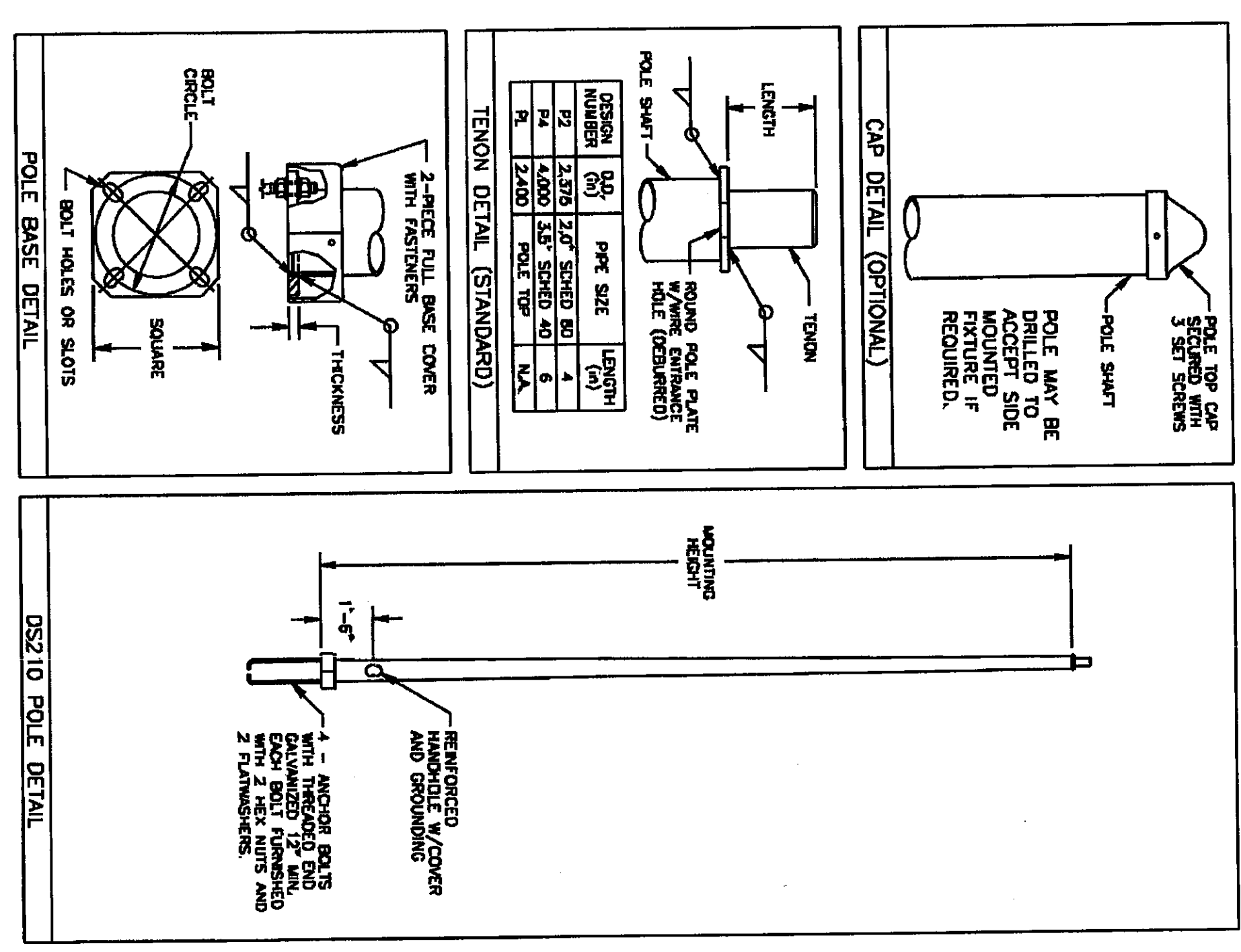


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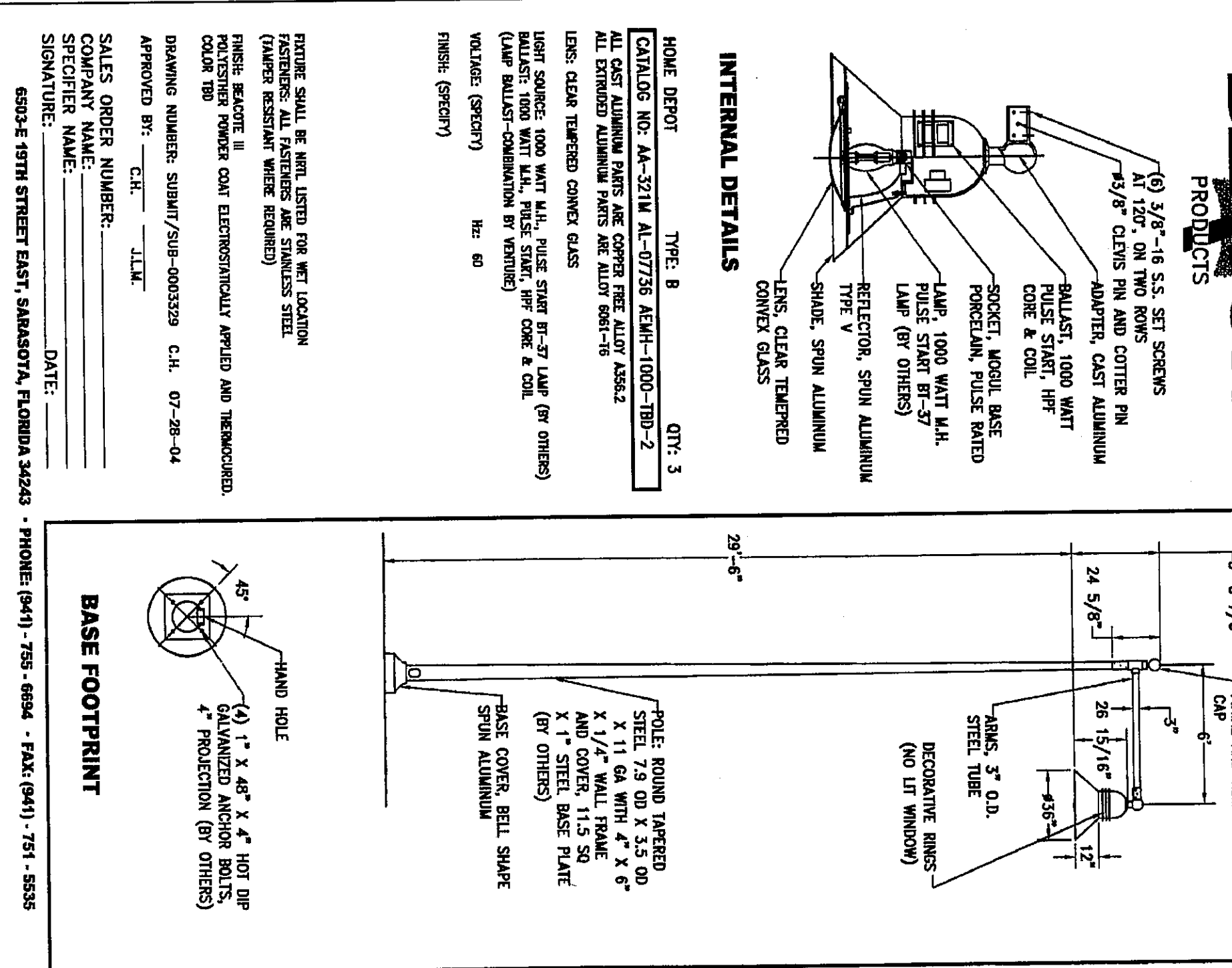


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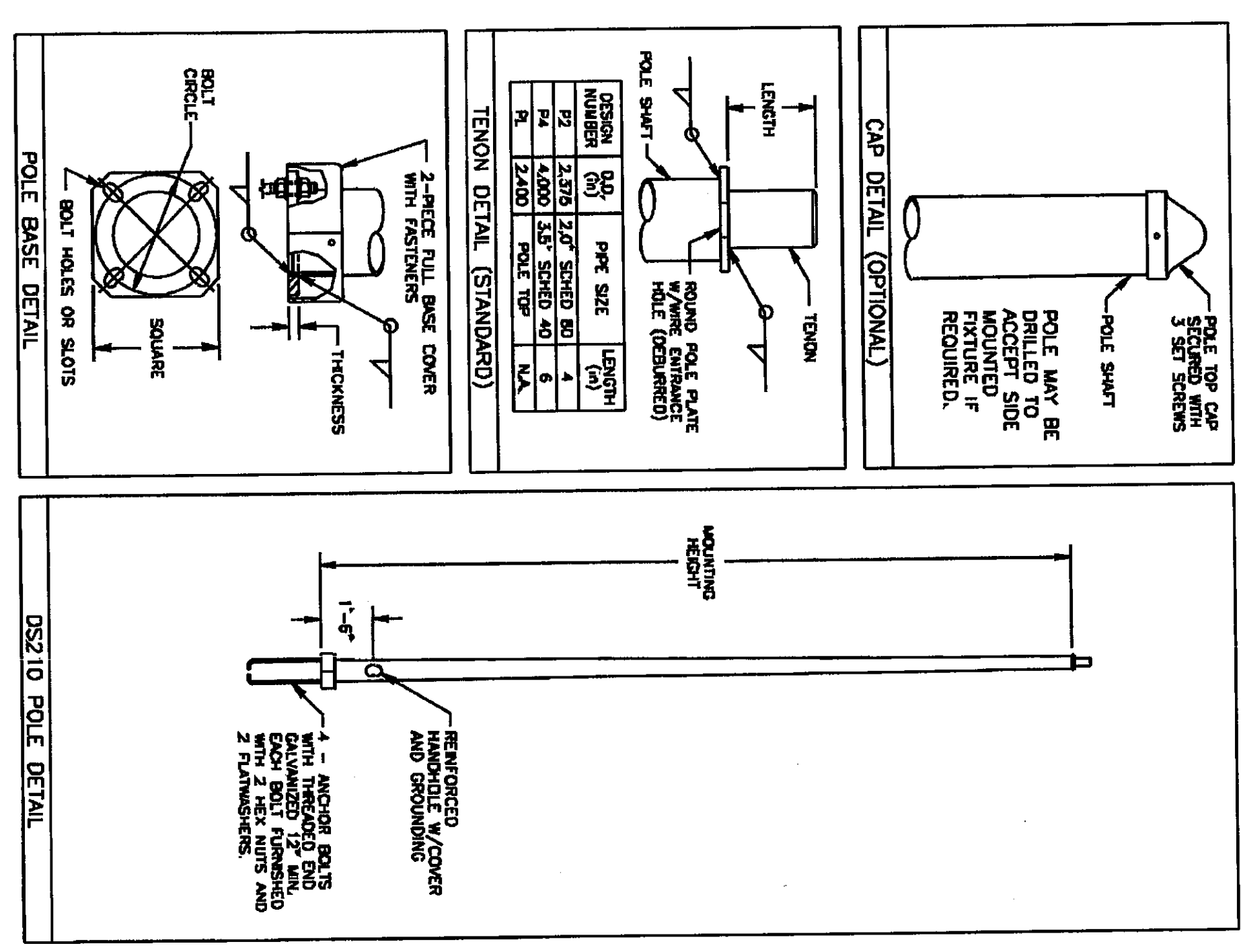


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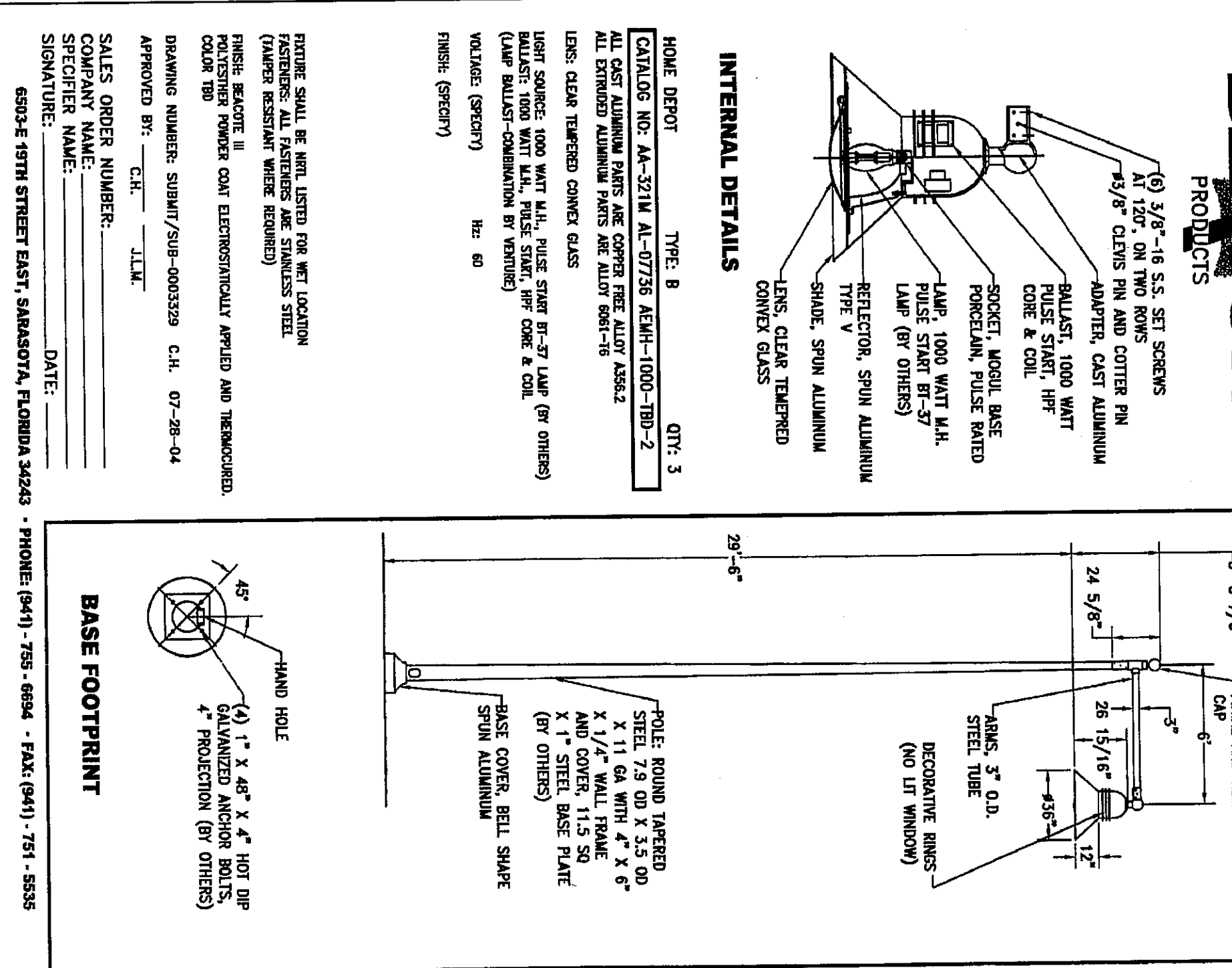


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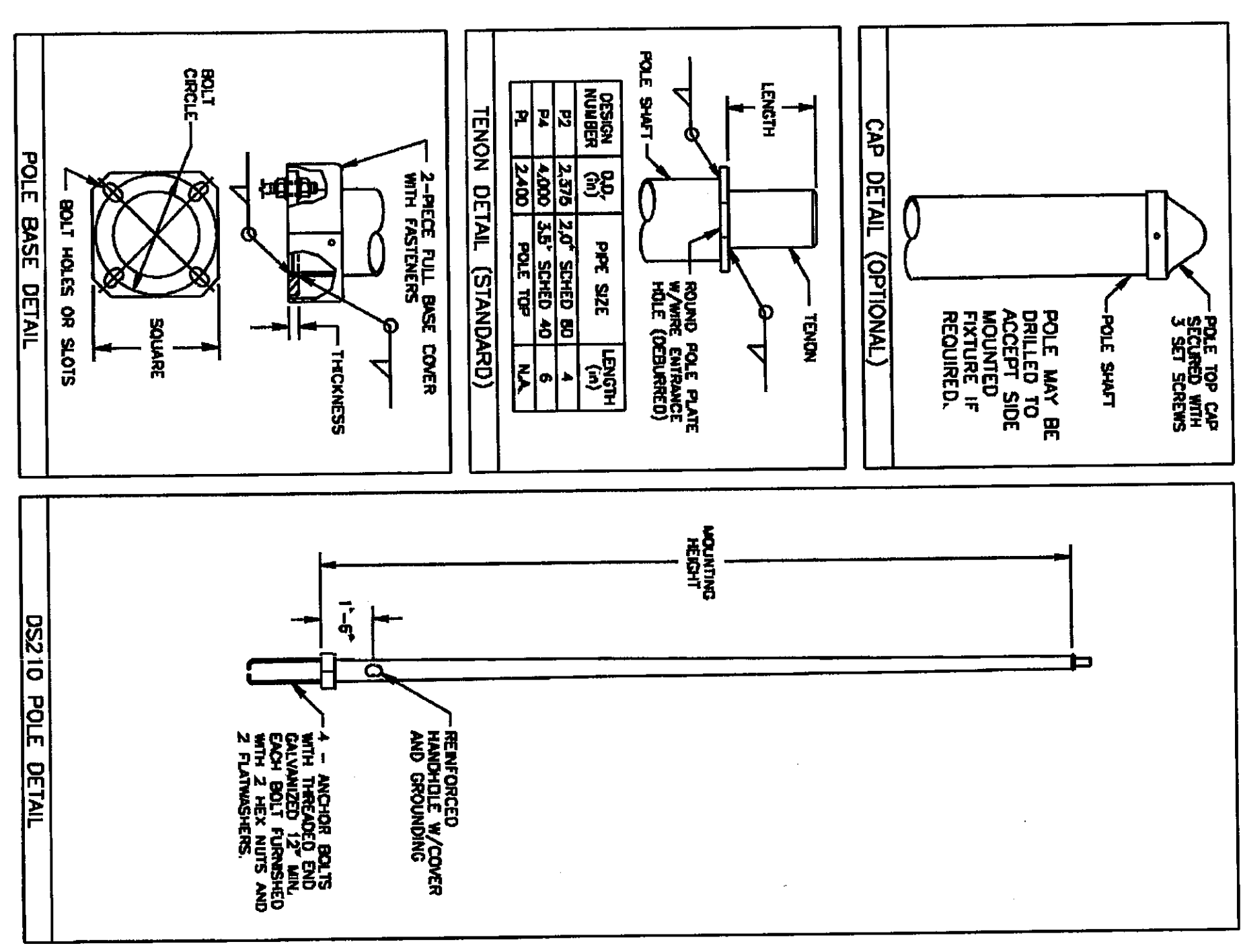


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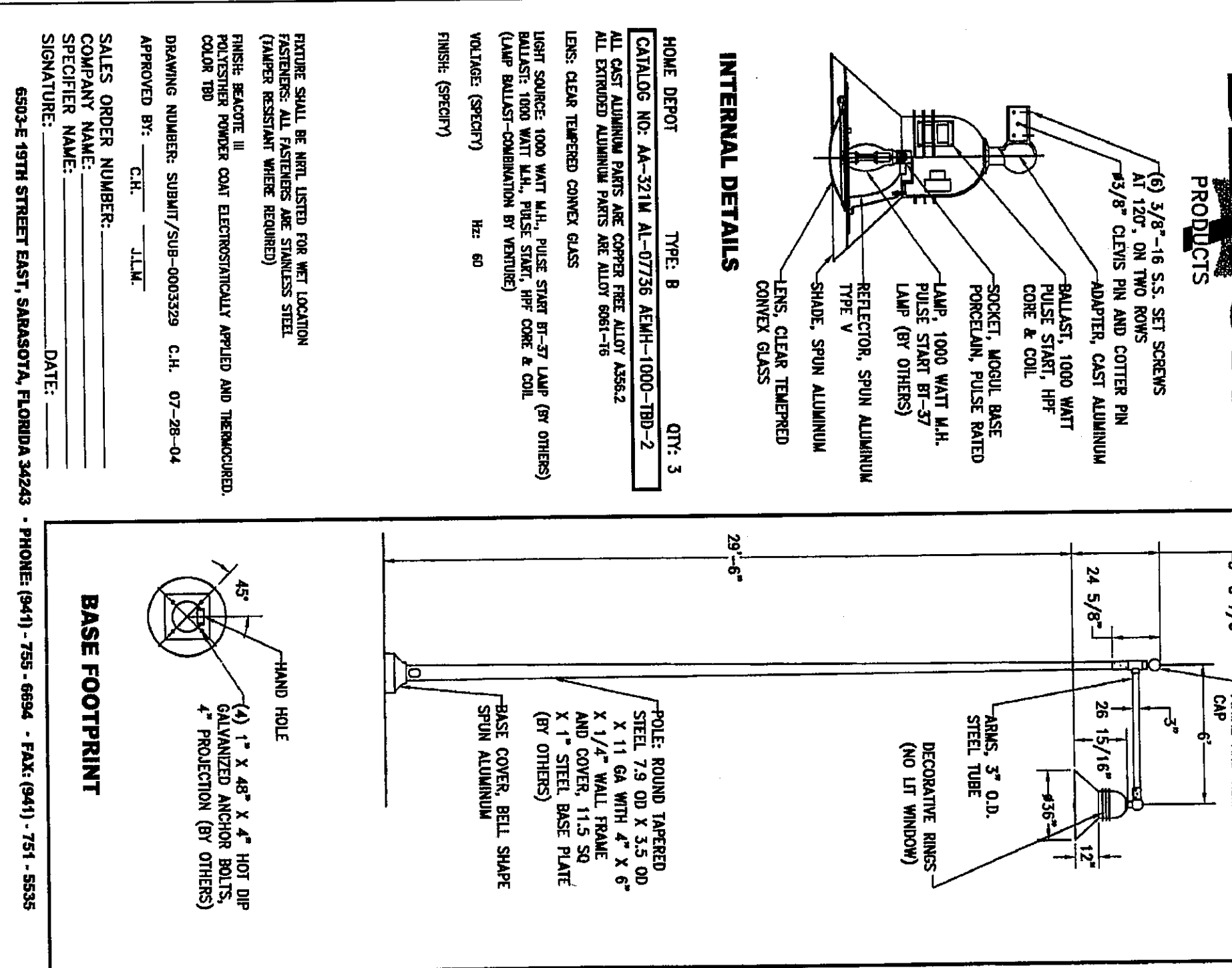


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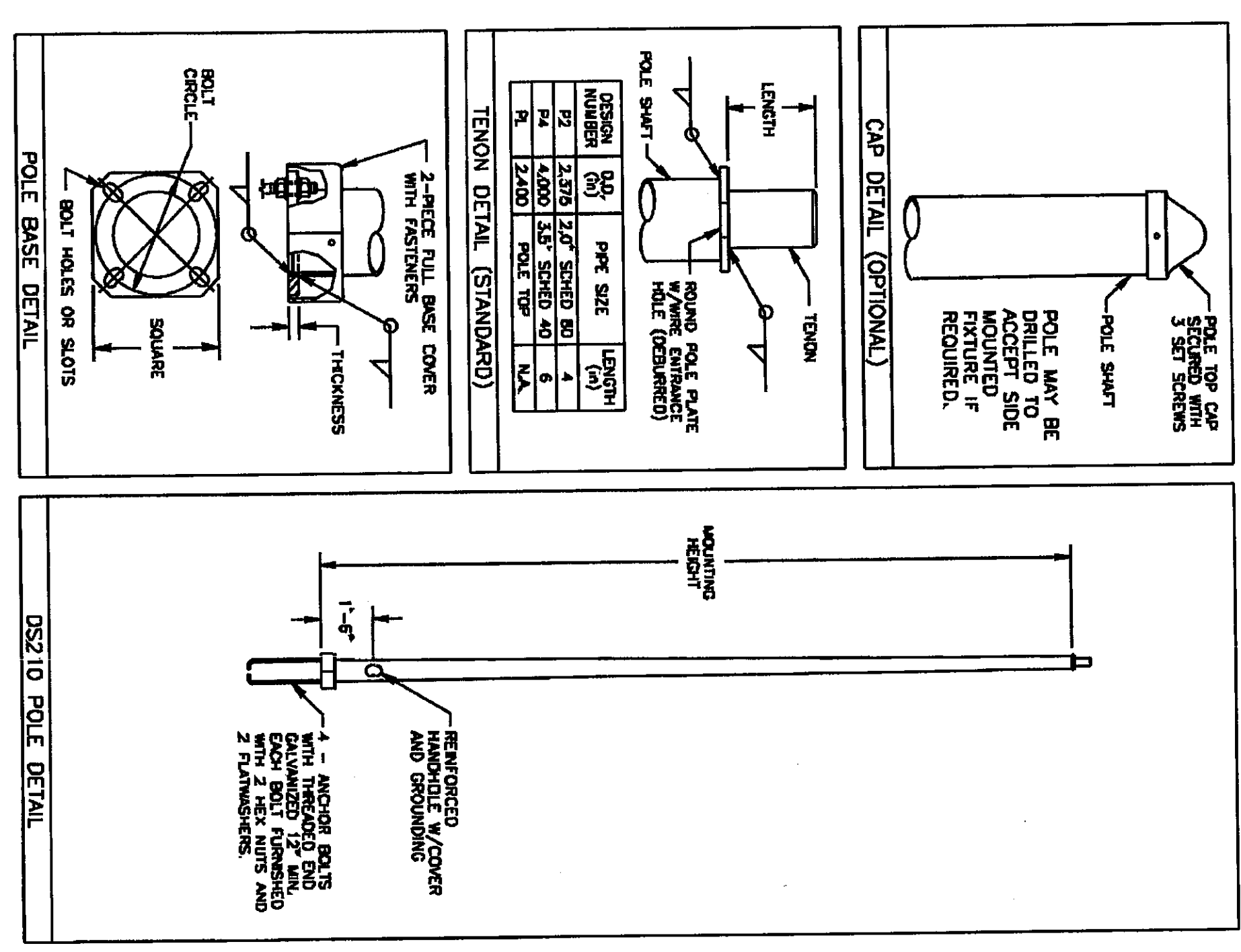


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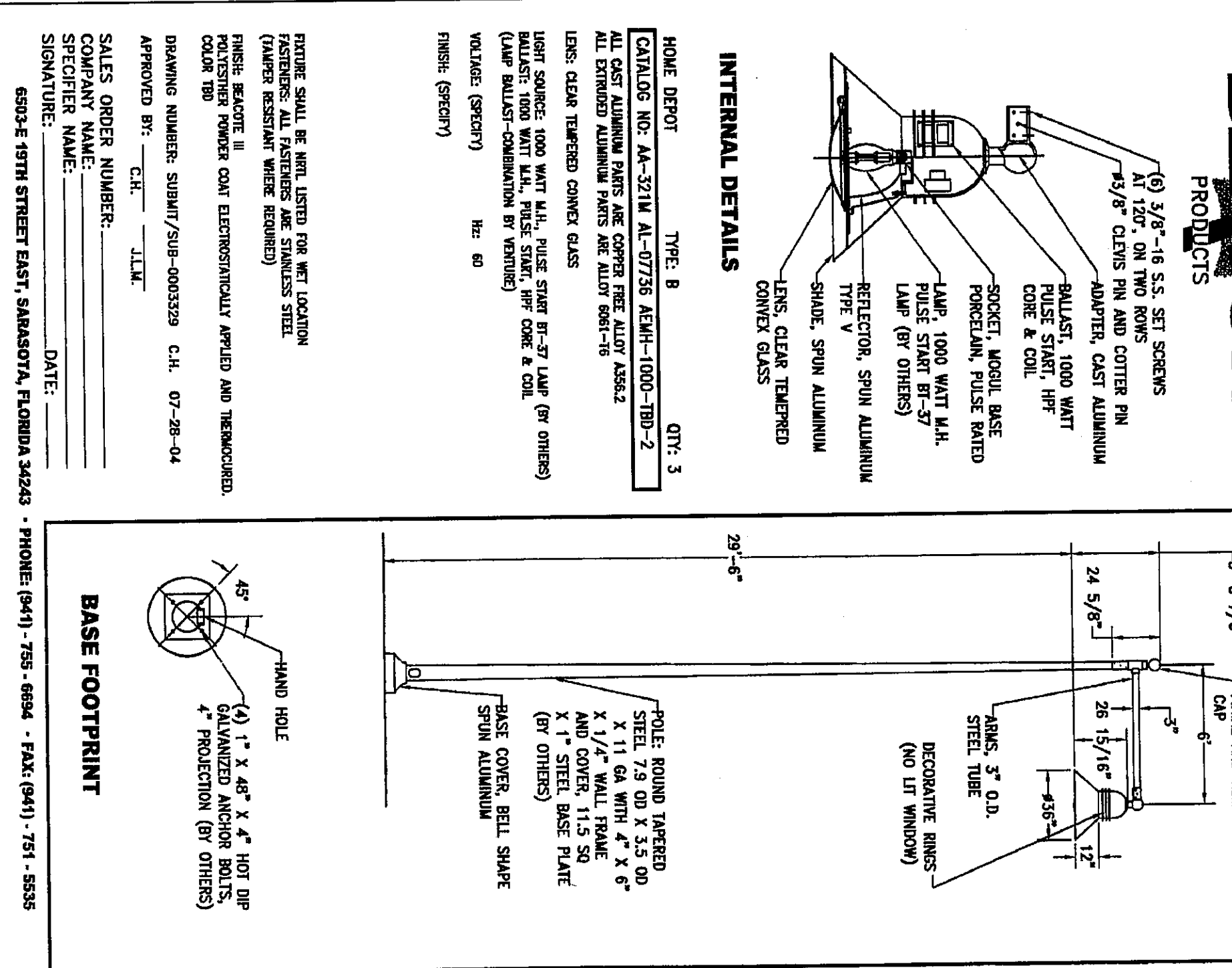


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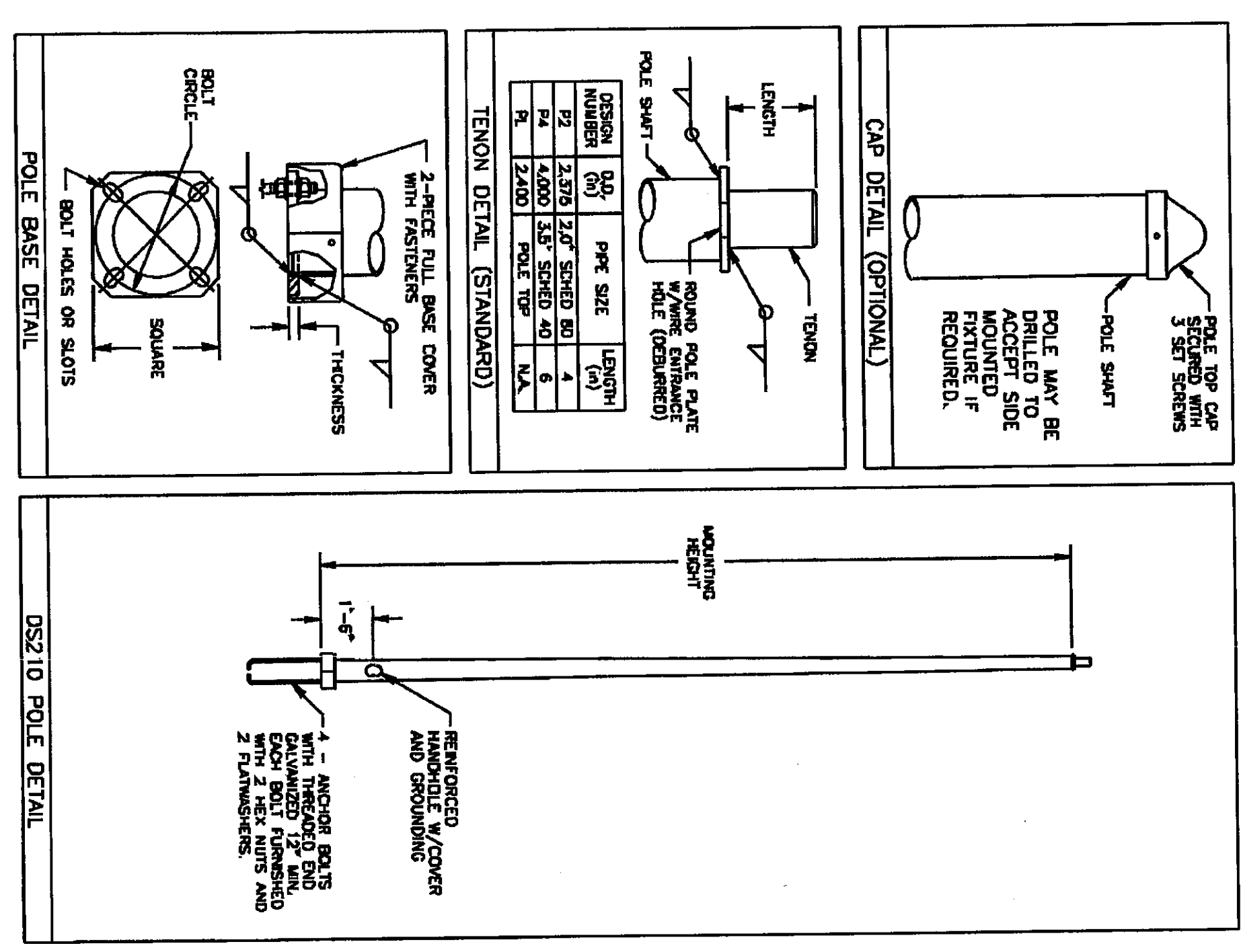


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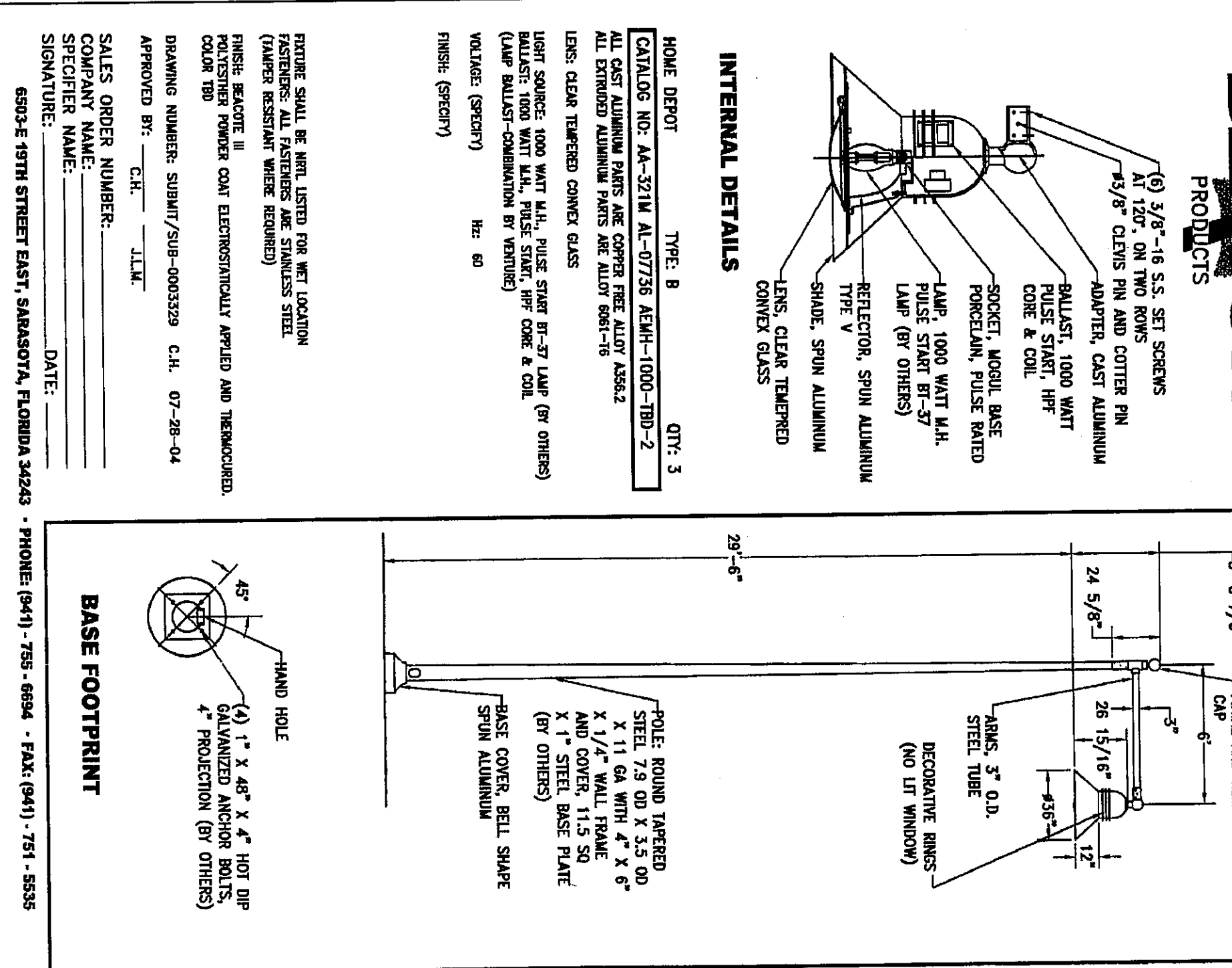


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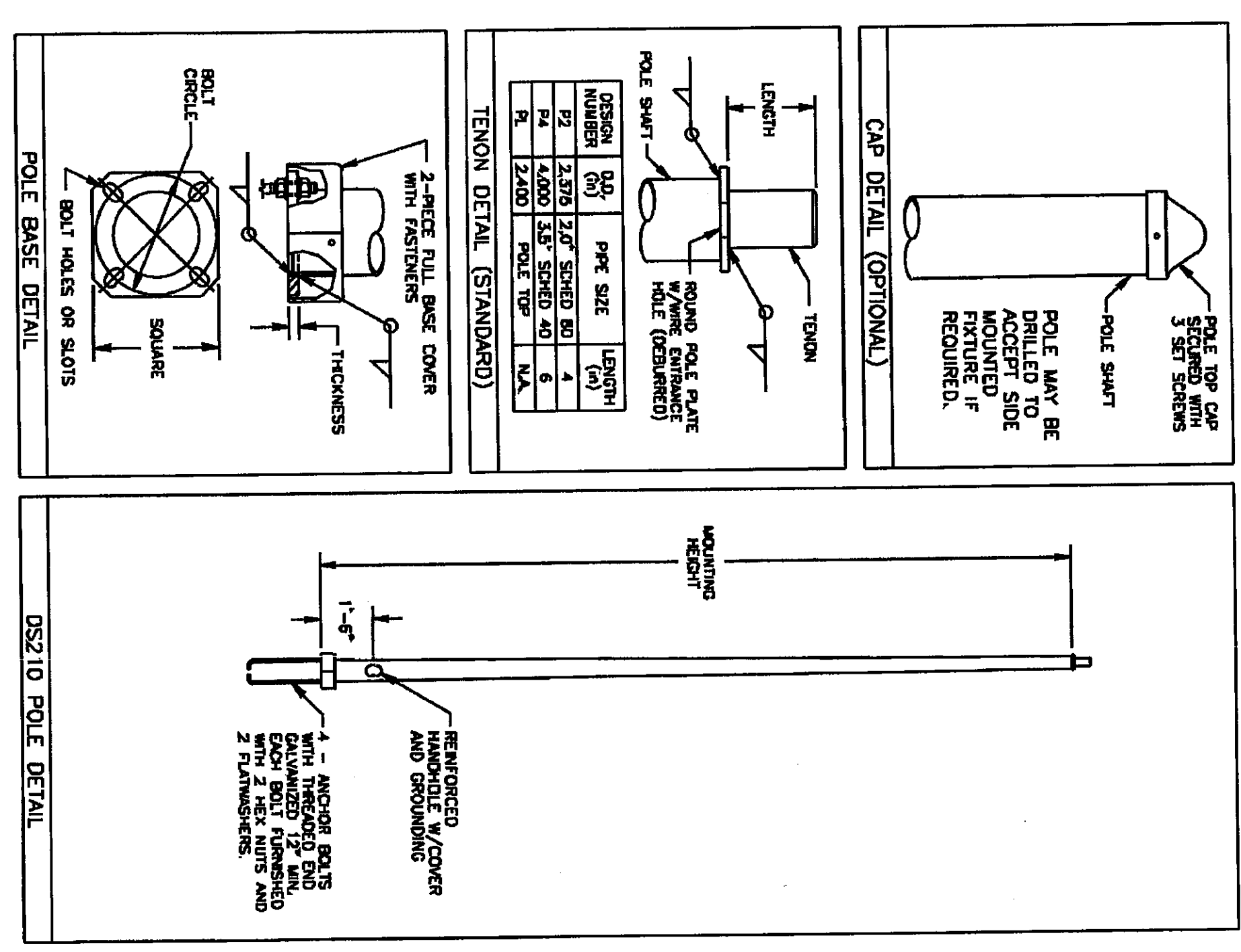


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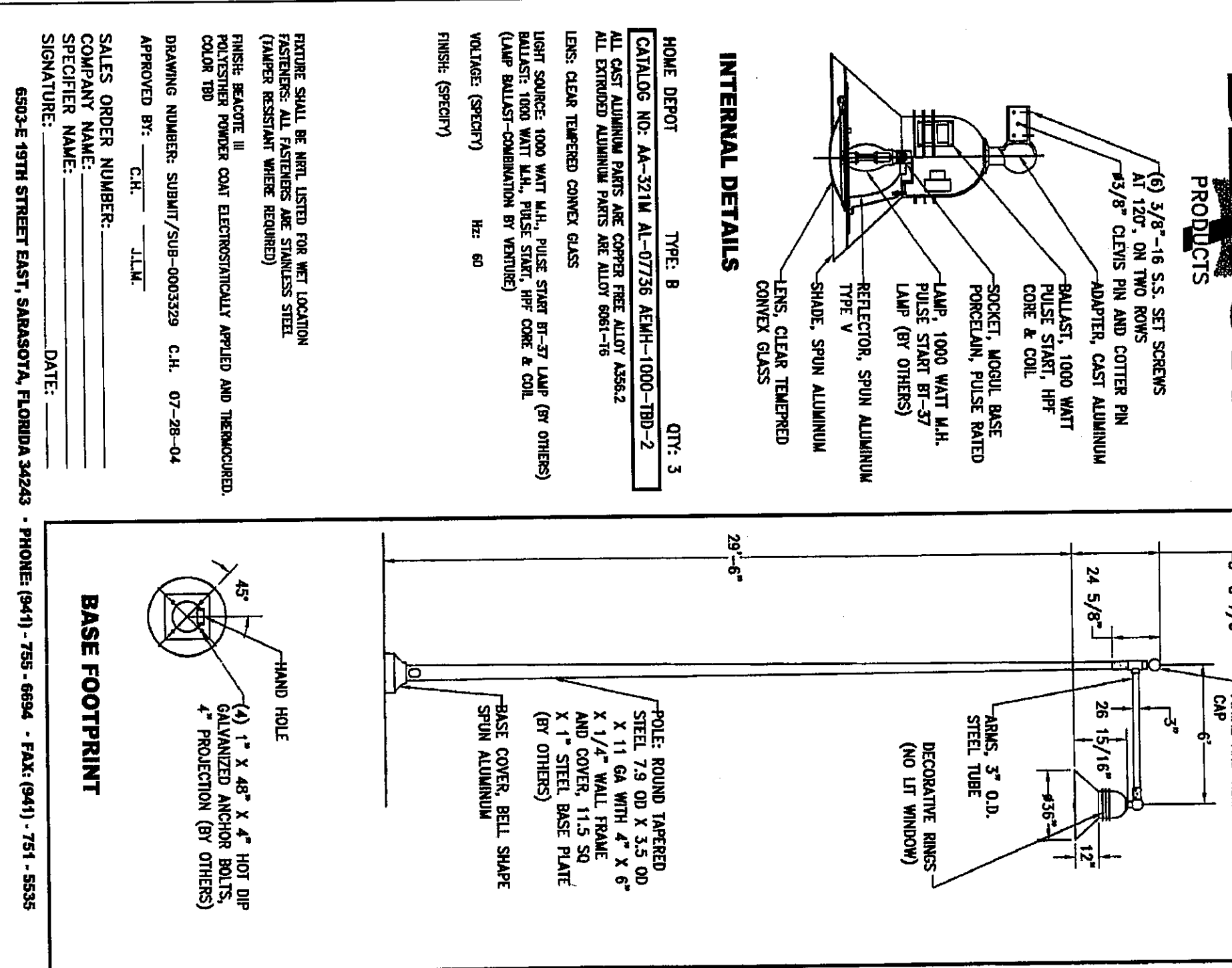


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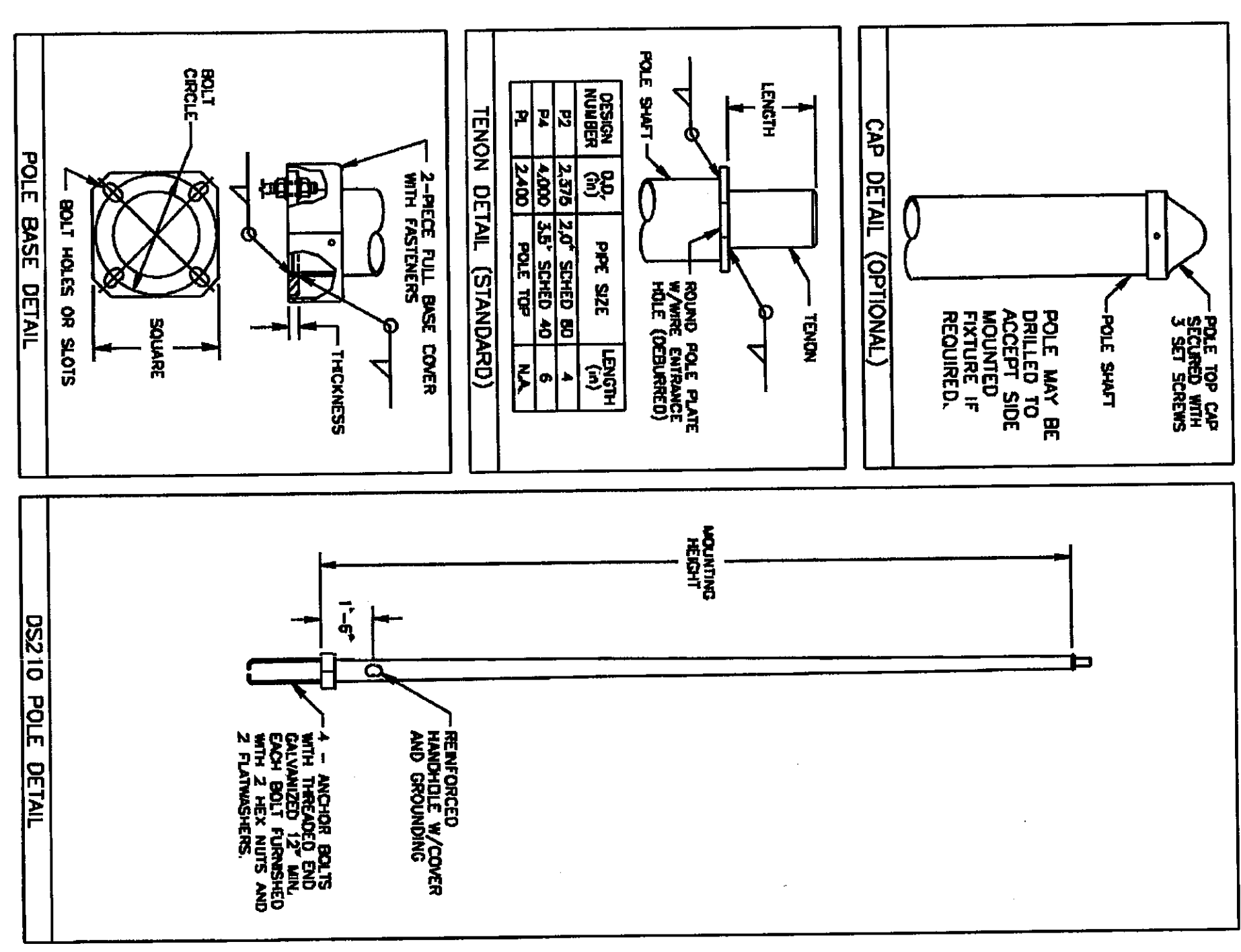


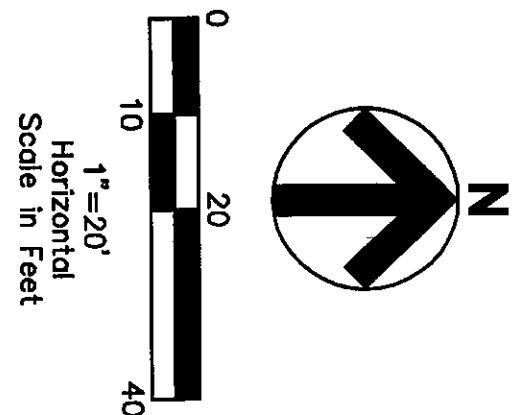
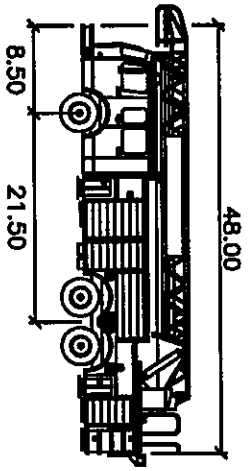
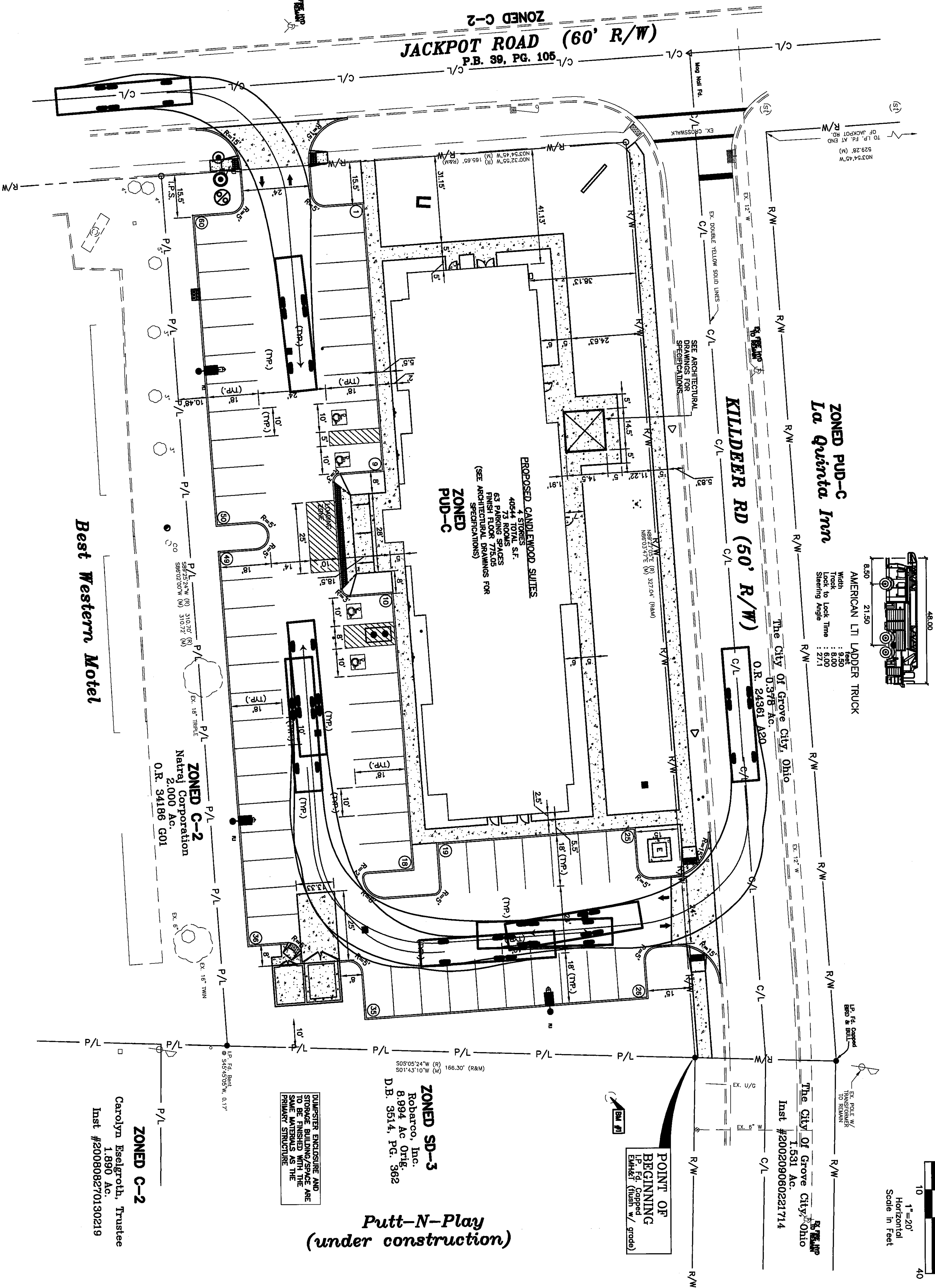
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DS210 Round Tapered





BENCHMARKS:
BENCHMARK #1 - TOP OF CASTING ON SANITARY MANHOLE AT THE N.E. CORNER OF SITE, 55' S. OF CENTERLINE OF KILDEER DR. AND 369' E. OF JACKPOT RD.
ELEV. = 775.08 (1988 DATUM)

Underground Utilities	
	2 Working Days Before You Dig (Toll Free) Call 800-362-2764 (Toll Free)
	Ohio Utilities Protection Service
Non-members Must Be Called Directly	
Call 800-925-0988 (Toll Free)	
Oil & Gas Producers Utility Protection Service	

EX-1

JOB NO.
2009002.01

DESIGNED	DATE
K.B.	3/27/09
DRAWN	
A.S.	3/27/09
CHECKED	

CANDLEWOOD SUITES
3962 JACKPOT ROAD
GROVE CITY, OH 43123

FIRE TRUCK ACCESSIBILITY

REV.	DATE	DESCRIPTION
1	4/16/09	REVISED PER CITY OF GROVE CITY



GPD ASSOCIATES
1600 Columbus, Ohio 43215
614.420.0711 Fax 614.420.0722